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ELLINGTON AFB, HOUSTON, TEXAS REVISED UNIFORM SUMMARY OF SURFAC--ETC(U)
AUG 81

UNCLASSIFIED USAFETAC/DS-81/087

SBI-AD-E850 11*

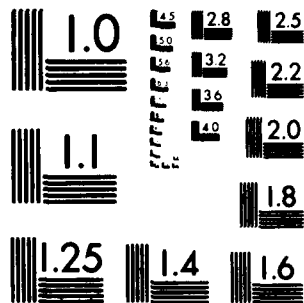
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963-A

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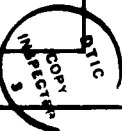
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24 AUG 1981

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

ELLINGTON AFB TX

N 29 37 W 095 10 FLD ELEV 40 FT EFD

WBAN #12906

WMO #

PARTS A-F

FOR FROM HOURLY OBS: DEC 68 - JUL 70, AUG 72 - NOV 80

FOR FROM DAILY OBS: JUL 41 - FEB 46, JAN 50 - NOV 80

TIME CONVERSION GMT TO LST: -6

AUG 14 1981

FEDERAL BUILDING
ASHEVILLE, N. C.

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Wayne E. McCollom
WAYNE E. MCCOLLOM, Chief

Technical Information Section
USAFETAC/TST

FOR THE COMMANDER

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Information Officer (STINFO)

ADE 850 115

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM															
1. REPORT NUMBER USAFETAC/DS- 81/087	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER															
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- Ellington AFB, Houston, Texas		5. TYPE OF REPORT & PERIOD COVERED Final rept.															
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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)																	
18. SUPPLEMENTARY NOTES																	
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) <table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperatures</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative Humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperatures	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative Humidity	*Climatological data	(over)
*RUSSWO	Daily temperatures	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative Humidity	*Climatological data	(over)															
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for Ellington AFB, Houston, Texas It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)																	

DD FORM 1473
1 JAN 73

UNCLASSIFIED

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

19. Percentage frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables
*Texas Ellington AFB, Texas

20. and dew point temperatures and relative humidity); and (F) Pressure
Summary (means, standard, deviations, and observation counts of
station pressure and sea-level pressure). Data in this report are
presented in tabular form, in most cases in percentage frequency of
occurrence or cumulative percentage frequency of occurring tables.

UNCLASSIFIED

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those records or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, Summary of the Day, remarks, etc.)

DESCRIPTION OF SUMMARIES

Each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Summaries are prepared from hourly and daily observations recorded by stations operated by the U. S. Service and some foreign stations with similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV - (DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 00-0300, 0300-0600, 0600-0900, 0900-1200, 1200-1500, 1500-1800, 1800-2100, 2100-2400 hours local standard time.

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY _____

APRIL _____

JULY _____

OCTOBER _____

FEBRUARY _____

MAY _____

AUGUST _____

NOVEMBER _____

MARCH _____

JUNE _____

SEPTEMBER _____

DECEMBER _____

STATION NO. ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FIELD ELEV. (FT.)	CALL SIGN	WMO NUMBER
12906	ELLINGTON AFB TEXAS	N 29 37	W 095 10	40	EFD	

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FIELD (FT)	HT. BARO.	
1	Ellington Field TX	AAF	Jul 41	Feb 46	N 29 36	W 095 10	45	39	24
2	Ellington AFB TX	AFB	Mar 46	Apr 53	Same	Same	39	Same	24
3	Same	Same	May 53	Apr 59	N 29 37	Same	Same	Same	24
4	Same	Same	May 59	Dec 79	Same	Same	Same	Same	24
5	Same	CIV	Jan 80	May 81	Same	Same	40	34	24
		contract to USAF							

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Jan 42	N/A	Anemometer	N/A	N/A	
2	Jan 50	Located on Tower Adjacent to the weather station.	Selsyn	ML-144B	49 ft	
3	Apr 53	1. Same 2. Located on top of Operations Bldg.	Same GMQ-1	Same	48 1/2 ft 31 1/2 ft	
4	Apr 59	Located approximately 3750 ft NE of the Weather Station.	GMQ-11	RO-2	13 ft	
5	Sep 61	Located on top of Weather Tower.	Same	Same	40 ft	
6	Nov 61	Located Approximately 3750 ft NE of the Weather Station.	Same	Same	13 ft	
7	Jan 71	Same	GMQ-20	RO-362	13 ft	

DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
	LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT. ABOVE GROUND	
Dec 79 Jan 80	Same 1. Located approximately 2200 ft E of the Weather Station 2. Located approximately 6500 ft S of the Weather Station	Same GMQ-20 Same	Same RO-362 Same	Same 13 ft Same	

MAC-6 AFD, 12 00-000

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

A

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

1996

ELLINGTON AFB TX

69-70,73-80

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	00-12	.9	12.8	.3			13.1	23.5	3.9			23.7	930
	03-05	1.0	14.1	.5	.3		14.6	25.8	4.5			27.0	930
	06-08	1.3	13.5	.4	.5		14.4	32.6	7.0			34.4	930
	09-11	.9	12.7	.1	.5	.1	13.4	28.9	13.8			35.2	930
	12-14	.8	13.1		.8		13.9	18.5	12.5			25.4	930
	15-17	.8	11.8		.4		12.3	16.7	9.5			22.0	930
	18-20	.8	11.0		.3		11.3	17.3	8.1			21.1	930
	21-23	.5	11.9	.2	.1		12.3	21.5	5.1			22.7	930
TOTALS		.9	12.6	.2	.4	.0	13.2	23.1	8.1			26.4	7440

1
2 GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

1976 ELLINGTON AFB TX 69-70,73-80 FEB
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00-12		7.9	.4	.2		8.3	21.7	2.5		.4	22.9	846
	03-05		9.7		.4		10.0	25.3	2.6		.4	25.9	846
	06-08	.2	9.8		.6		10.2	38.2	7.2		.4	40.2	846
	09-11	.1	9.6		.6	.1	10.2	20.7	8.5		.4	26.7	846
	12-14	.4	8.3		.5	.1	8.7	9.3	8.4		.1	15.7	846
	15-17	1.3	11.0		.2		11.0	9.0	7.1			14.9	846
	18-20	.2	9.0		.2		9.0	8.6	4.4			11.8	846
	21-23		7.8	.1	.1		7.9	13.8	4.4			16.1	846
TOTALS		.3	9.1	.1	.4	.0	9.4	18.3	5.6		.2	21.8	6768

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

1966 ELLINGTON AFB TX

69-70, 73-80

MAC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	00-22	1.8	7.5				7.5	17.7	3.2		.1	18.6	930
	03-05	1.7	11.4				11.4	24.0	4.0		.3	24.9	930
	06-08	1.1	11.2				11.2	36.7	9.9		.6	39.6	930
	09-11	1.0	12.2				12.2	19.8	10.2		.6	26.1	930
	12-14	1.4	13.1				13.1	9.8	7.7		.8	16.7	930
	15-17	1.2	14.1				14.1	11.8	11.4		.4	20.8	930
	18-20	1.5	11.8				11.8	13.3	8.7		.2	19.2	930
	21-23	.9	8.0				8.0	14.1	3.9			15.9	930
TOTALS		1.3	11.2				11.2	18.4	7.4		.4	22.7	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

1996 ELLINGTON AFB TX

69-70,73-80

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00-02	1.6	8.1				8.1	18.4	3.4		.1	19.1	900
	03-05	2.0	8.6				8.6	24.2	4.1			24.4	900
	06-08	2.4	8.0				8.0	36.7	13.9			41.0	900
	09-11	2.1	8.1				8.1	10.1	8.5			15.1	899
	12-14	3.1	9.6				9.6	7.0	6.2			11.7	900
	15-17	1.3	7.7				7.7	5.8	6.1			10.0	900
	18-20	1.1	6.3				6.3	8.7	10.0			14.7	900
	21-23	1.6	5.8				5.8	11.1	3.8		.1	12.2	898
TOTALS		1.9	7.8				7.8	15.3	7.0		.0	18.5	7197

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

10986

ELLINGTON AFB TX

69-70,73-80

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02	1.8	4.5				4.5	8.9	3.8			10.9	930
	03-05	2.0	4.8				4.8	18.8	7.8			20.6	930
	06-08	1.7	4.3				4.3	30.9	21.7			39.9	930
	09-11	2.3	5.1				5.1	3.8	11.5			13.7	930
	12-14	4.6	7.1				7.1	2.9	6.0			8.4	930
	15-17	3.9	7.2				7.2	2.6	6.1			8.4	930
	18-20	2.8	6.0				6.0	2.8	5.9			8.5	930
	21-23	1.3	4.5				4.5	2.7	2.0			4.4	930
TOTALS		2.6	5.4				5.4	9.2	8.1			14.4	7440

1
2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

12-76 ELLINGTON AFB TX

69-70, 73-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02	1.0	2.0				2.0	1.0	1.3			2.0	900
	03-05	2.0	4.3				4.3	8.7	6.0			10.0	900
	06-08	2.6	4.7				4.7	17.9	16.6			24.9	899
	09-11	2.7	5.9				5.9	1.6	6.3			7.4	900
	12-14	3.4	6.4				6.4	.7	4.6			5.1	900
	15-17	4.1	4.3			.1	4.3	.2	2.6			2.8	900
	18-20	2.6	3.0				3.0	.6	2.4			3.0	900
	21-23	.4	1.9				1.9	.2	1.2			1.3	900
TOTALS		2.4	4.1			.0	4.1	3.9	5.1			7.1	7199

1 GLOBAL CLIMATOLOGY BRANCH
2 USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

17906

ELLINGTON AFB TX

69-70,73-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02	.8	1.6				1.6	2.6	2.3			3.7	930
	03-05	1.1	1.6				1.6	6.6	4.5			7.3	930
	06-08	1.4	2.9				2.9	14.9	14.8			20.2	928
	09-11	4.6	5.1				5.1	1.4	6.7			7.0	930
	12-14	8.6	8.6				8.6	.8	4.1			4.4	930
	15-17	9.2	7.2				7.2	.2	2.5			2.7	930
	18-20	4.3	4.3			.1	4.3	1.0	3.2			3.7	927
	21-23	1.4	2.0				2.0	1.3	1.2			1.9	927
TOTALS		3.9	4.2			.0	4.2	3.6	4.9			6.4	7432

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

11-06 ELLINGTON AFB TX

69,72-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-02	1.1	1.3				1.3	3.9	5.9			7.0	929
	03-05	2.5	2.3				2.3	9.6	9.2			12.9	930
	06-08	2.7	2.9				2.9	24.1	27.2			34.0	930
	09-11	6.1	5.7				5.7	2.3	14.6			15.3	930
	12-14	11.9	9.7				9.7	.8	7.5			8.3	930
	15-17	8.8	6.7				6.7	.9	6.1			7.0	930
	18-20	2.9	3.0				3.0	1.4	6.1			6.8	930
	21-23	.8	1.2				1.2	1.6	3.7			3.7	930
TOTALS		4.6	4.1				4.1	5.6	10.0			11.9	7439

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

1296 ELLINGTON AFB TX

69,72-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02	1.1	5.3				5.3	6.8	8.6			10.7	900
	03-05	1.6	4.7				4.7	17.1	14.2			21.1	900
	06-08	2.4	7.2				7.2	38.6	34.8			49.2	900
	09-11	2.4	6.7				6.7	7.3	20.8			23.9	900
	12-14	5.9	8.0				8.0	1.9	10.0			11.7	900
	15-17	4.9	7.3				7.3	2.0	8.3			10.1	900
	18-20	3.3	7.7				7.7	2.0	7.6			8.9	900
	21-23	2.0	4.9				4.9	3.1	5.8			7.4	900
TOTALS		3.0	6.5				6.5	9.9	13.8			17.9	7200

2 GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

12976

ELLINGTON AFB TX

69,72-80

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00-02	.2	3.7				3.7	11.8	8.1			14.3	930
	03-05	.6	5.4				5.4	20.6	12.0			22.8	930
	06-08	.6	4.0				4.0	35.1	26.9			42.2	930
	09-11	.8	3.9				3.9	7.7	18.3			20.9	930
	12-14	1.8	5.1				5.1	2.2	7.8			8.1	929
	15-17	1.7	5.5				5.5	2.6	4.4			5.5	930
	18-20	1.0	4.9				4.9	2.8	4.4			5.4	930
	21-23	.5	3.8				3.8	5.4	5.6			8.2	930
TOTALS		.9	4.5				4.5	11.0	10.9			15.9	7439

2 GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

1976 ELLINGTON AFB TX

69,72-80

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DEW DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-02	.7	6.6				6.6	16.6	5.3			18.4	900
	03-05	.4	6.1				6.1	19.7	6.1			21.9	900
	06-08	1.2	7.6				7.6	31.9	16.1			37.4	900
	09-11	.8	7.2				7.2	12.3	14.7			21.9	900
	12-14	1.1	7.9				7.9	5.9	9.1			12.9	900
	15-17	.8	7.8				7.8	4.8	8.3			11.2	900
	18-20	1.2	7.0				7.0	5.5	4.6			8.3	896
	21-23	.4	5.6				5.6	11.5	5.1		.1	14.2	897
TOTALS		.8	7.0				7.0	13.5	8.7		.0	18.3	7193

2 GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

12406

ELLINGTON AFB TX

68-69, 72-79

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02		7.5				7.5	17.8	2.6			18.4	930
	03-05	.2	8.4				8.4	23.2	5.2			24.0	930
	06-08	.6	9.5				9.5	30.9	9.1			33.3	930
	09-11	.5	8.3				8.3	18.2	9.5		.1	23.0	930
	12-14	.5	7.6				7.6	10.6	5.9		.1	14.3	930
	15-17	.5	10.6				10.6	10.9	4.6			13.7	930
	18-20	.8	9.4				9.4	11.4	3.9			14.0	930
	21-23	.4	7.5				7.5	17.1	4.2			18.2	930
TOTALS		.4	8.6				8.6	17.5	5.6		.0	19.9	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

12916 ELLINGTON AFB TX

68-70, 72-80

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.9	12.6	.2	.4	.0	13.2	23.1	8.1			26.4	7440
FEB		.3	9.1	.1	.4	.0	9.4	18.3	5.6		.2	21.8	6768
MAR		1.3	11.2				11.2	18.4	7.4		.4	22.7	7440
APR		1.9	7.8				7.8	15.3	7.0		.0	18.5	7197
MAY		2.6	5.4				5.4	9.2	8.1			14.4	7440
JUN		2.4	4.1			.0	4.1	3.9	5.1			7.1	7199
JUL		3.9	4.2			.0	4.2	3.6	4.9			6.4	7432
AUG		4.6	4.1				4.1	5.6	10.0			11.9	7439
SEP		3.0	6.5				6.5	9.9	13.8			17.9	7200
OCT		.9	4.5				4.5	11.0	10.9			15.9	7439
NOV		.8	7.0				7.0	13.5	8.7		.0	18.3	7193
DEC		.4	8.6				8.6	17.5	5.6		.0	19.9	7440
TOTALS		1.9	7.1	.0	.1	.0	7.2	12.4	7.9		.1	16.8	87627

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than $5/8$ mile.

JOINT CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS
ATMOSPHERIC PHENOMENA

STATION: WASHINGTON AFB TX 41-46, 5-81 YEARS: ALL MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	7.1	45.7	1.8	1.2		42.7	54.6	19.1		.1	61.7	1,559
FEB		8.0	42.0	.9	1.5	.4	39.3	52.5	34.7	.1	.6	56.2	957
MAR		8.4	45.8		.1	.7	43.2	54.2	35.4		.2	59.2	1,141
APR		12.7	43.1			1.0	39.6	52.8	35.3		.3	57.0	1,113
MAY		17.4	33.9			1.2	31.4	43.0	38.0			55.7	1,042
JUN		11.1	32.7			.3	29.3	32.2	30.2			48.8	1,015
JUL		13.4	41.8			.1	36.3	33.1	26.1			33.5	1,047
AUG		34.1	44.6			.2	39.8	32.9	36.1			44.6	1,174
SEP		32.7	42.2				37.8	45.7	51.4			57.4	1,031
OCT		9.1	38.1			.1	25.3	46.6	47.1			55.8	1,061
NOV		7.0	35.1	.1	.1		34.6	46.8	41.5		.2	55.6	1,021
DEC		5.7	40.8	.2	.1		36.3	50.5	39.6			57.1	1,143
TOTALS		15.5	39.9	.2	.2	.3	36.5	45.0	38.3	.0	.1	53.4	17,423

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)
3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

Values for means and standard deviations do not include measurements from incomplete months.

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945	at 0800LST
Jan 46-May 57	at 1230GMT
Jun 57-present	at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52	at 0030GMT
Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT

2 GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

1 STATION ELLINGTON AFB TX
STATION NAME

41-46, 50-80
YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	52.6	16.2	3.1	6.0	3.9	7.2	4.2	3.3	3.4	.4				31.3	1107	3.41	11.15	.25
FEB	54.6	16.4	2.5	4.5	4.6	6.2	4.2	3.4	3.1	.4				29.5	997	3.28	10.54	.09
MAR	52.3	22.2	4.1	7.0	2.3	4.1	2.8	3.1	2.7	.3				29.5	1085	2.64	9.41	.05
APR	56.1	19.9	3.0	5.2	2.2	3.3	3.0	3.8	3.0	.6	.1			24.1	1050	3.62	8.22	.87
MAY	64.4	11.6	1.7	3.3	2.0	3.4	3.5	5.1	4.5	.4	.1			24.0	1085	4.45	11.21	.38
JUN	66.4	10.9	1.6	3.3	2.3	3.6	3.6	3.3	3.5	1.1	.3			22.8	1050	4.71	15.07	.33
JUL	59.1	11.5	2.4	6.2	3.5	5.6	4.6	3.4	3.8	.6	.3			30.4	1089	4.75	17.92	TRACE
AUG	55.1	13.8	1.9	6.0	3.3	6.2	5.2	5.0	3.1	.5		.1		31.2	1105	4.82	20.28	.00
SEP	57.3	13.2	2.1	3.9	3.6	5.3	4.9	4.9	3.6	1.2	.2			29.5	1070	5.18	15.59	.14
OCT	71.1	9.2	1.5	3.2	2.1	4.0	3.7	2.0	3.1	.8	.1			19.8	1116	3.53	15.62	TRACE
NOV	61.5	12.7	2.1	5.3	3.2	4.5	3.1	4.3	2.6	.6	.1			25.8	1080	3.62	11.08	.74
DEC	57.7	13.3	1.7	5.3	3.1	5.8	5.5	3.7	3.4	.4				28.8	1085	3.86	8.43	.58
ANNUAL	58.9	14.2	2.3	4.9	3.1	4.9	4.0	3.8	3.3	.6	.1	.0		26.8	12919	47.87		

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

STATION ELLINGTON AFB TX

41-46, 50-87

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
41							TRACE*	.00*	4.89	6.02	.70	.60	
42	.80	1.04	1.09	1.72	.61	2.40	6.48	2.09	.93	.22	.65	1.95	6.48
43	1.39	.64	2.17	.98	1.41	1.34	3.34	1.25	1.04	.91	4.78	1.75	4.78
44	* 2.48	1.30	3.71	1.52	3.45	.57	.06	3.25	4.39	1.71	1.45	2.69	4.39
45	1.54	.82	1.42	2.34	4.01	2.66	1.29	17.30	2.21	1.33	.65	2.71	17.30
46	2.73*	.38											
51	* .56	3.11	.12	1.74	1.65	1.19	1.52	.35	1.07	.04	.76	.43	3.11
51	1.58	.45	2.16	.75	.59	.89	.84	2.33	3.60	.95	.60	.70	3.60
52	.48	4.13	2.06	1.50	1.04	1.10	2.00	.18	.95	TRACE	2.46	2.28	4.13
53	1.08	.85	.02	.38	1.95	5.35	.80	3.87	.14	1.51	2.12	1.76	5.35
54	.49	.02	.76	4.39	2.04	.57	1.33	.61	.53	2.42	.41	.41	4.39
55	1.49	2.36	.71	.87	1.13	1.44	1.38	1.62	.80	.84	.92	1.97	2.36
56	1.20	1.64	.15	1.20	1.60	1.35	.90	.35	.2	1.21	.36	.91	1.68
57	.63	1.19	4.62	2.11	.71	1.17	.79	.87	2.41	3.94	2.35	1.13	4.62
58	1.66	1.03	1.14	1.26	1.10	.43	1.03	1.24	3.42	.61	.40	.58	3.42
59	1.23	3.38	.65	1.83	3.41	1.54	5.47	3.25	2.40	3.15	.95	2.18	5.47
60	.31	1.76	.23	1.09	.29	5.31	.93	1.84	.75	1.77	.98	1.44	5.31
61	1.29	2.00	.38	.96	1.00	4.10	2.11	1.49	5.93	.73	6.08	1.29	6.08
62	.31	.42	.68	.91	1.03	1.46	.80	2.25	2.07	2.86	2.41	1.78	3.41
63	1.53	1.33	.35	1.80	1.02	1.94	2.80	.53	1.09	.45	1.81	1.97	2.80
64	1.11	2.54	1.25	.64	.79	.78	.81	1.12	2.94	.65	2.89	4.72	4.78
65	.71	.93	.23	.97	1.57	3.34*	1.35	.67	1.02	1.27	1.50	2.42	3.34
66	.89	1.71	.78	5.24	1.64	1.67	1.71	4.54	3.76	1.43	2.63	.48	5.24
67	1.53	1.80	.97	1.63	.80	.20	1.79	.90	1.29	1.10	.64	.90	1.60
68	2.92	.66	.98	3.96	5.43	4.05	.47	.50	.97	2.00	1.18	.92	5.40
69	1.13	1.96	1.34	2.24	1.65	1.82	1.49	1.71	.74	2.11	.76	2.30	2.30
70	.52	.97	1.04	2.17	1.62	1.46	2.05	1.78	2.53	2.11	2.25	.16	2.33
71	.14	.61	.43	1.21	1.52	.91	1.42	1.62	1.52	.66	.81	2.57	2.57
72	1.31	1.09	1.33	3.11	1.98	3.43	2.05	.55	1.50	1.79	2.93	1.67	3.43
73	.66	.87	2.57	3.31	.85	6.29	4.44	2.28	2.23	3.61	.40	.98	6.29
MEAN													
S. D.													
TOTAL OBS.													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)
JUL 84

30

(FROM DAILY OBSERVATIONS)

41-46, 50-87

STATION

STATION NAME

YEARS

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
WAFB WEATHER SERVICE/MAC

EXTREME VALUES
MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

STATION 41-46, 52-81
STATION NAME ELLINGTON AFB TX YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
41							*TRACE*	.00*	5.71	15.62	2.49	1.23	
42	1.43	2.72	2.86	5.73	.90	3.70	14.78	7.78	2.39	.65	1.36	3.19	47.49
43	3.99	1.93	4.19	1.91	6.12	3.58	6.98	2.63	4.19	1.41	7.92	5.03	49.47
44	*11.15	1.84	8.19	1.91	11.06	1.52	.12	7.29	6.12	1.71	4.92	6.89	*44.72
45	2.96	3.06	2.81	3.86	4.55	6.98	3.63	20.28	5.27	4.48	.81	7.84	66.53
46	7.13*	.44											
50	*.65	7.23	.59	3.94	3.32	4.50	2.00	.66	1.41	.06	1.24	.92	*70.32
51	4.99	1.76	3.48	1.76	1.66	1.77	2.31	2.42	6.83	1.71	1.21	1.01	29.71
52	1.12	10.35	3.85	6.06	5.77	2.37	3.72	.36	1.94	TRACE	7.08	6.24	48.86
53	2.30	3.19	.05	.97	6.02	7.09	1.90	11.63	.14	2.65	4.35	6.13	46.22
54	1.54	.39	.86	5.36	6.30	1.31	2.75	2.20	1.04	5.98	1.11	1.09	29.63
55	4.83	6.70	.80	2.85	3.52	3.04	3.80	4.73	3.14	1.08	1.68	2.77	38.24
56	2.73	3.98	.33	2.89	2.95	2.39	1.44	.77	.42	2.92	.95	3.37	25.09
57	1.70	2.69	9.41	6.22	1.91	3.56	1.06	3.25	7.13	8.10	7.08	2.20	56.31
58	5.13	3.53	2.55	3.83	2.75	.74	2.94	5.09	14.39	2.06	1.16	1.16	43.35
59	2.03	10.54	.85	6.20	5.78	2.45	14.43	6.75	7.99	6.59	1.51	6.48	71.66
60	1.30	4.22	.34	1.50	.63	11.00	3.48	6.52	1.37	8.48	3.72	8.43	51.05
61	3.42	3.34	.91	2.30	1.55	9.53	9.24	6.41	11.83	.73	11.28	3.10	62.74
62	1.16	1.11	1.13	4.40	2.35	5.34	1.42	2.71	4.64	3.92	6.19	4.73	39.10
63	2.45	2.71	.67	1.98	1.71	7.18	4.08	1.50	2.70	.89	4.73	5.04	38.64
64	3.67	5.29	3.05	1.31	2.52	.94	1.69	4.31	7.14	.86	4.52	7.39	42.77
65	1.65	2.66	.91	1.01	3.67	4.52	4.45	1.91	4.11	2.59	4.60	7.41	*39.45
66	4.29	6.02	1.22	7.80	10.70	6.87	2.05	10.46	4.08	3.27	3.16	1.81	61.73
67	2.50	3.05	1.38	2.83	2.38	.33	5.37	2.29	2.29	2.77	.74	3.20	29.13
68	6.77	1.81	2.54	4.60	11.21	15.07	1.86	1.25	3.02	5.22	3.24	1.58	58.17
69	1.89	5.02	3.95	4.64	4.62	2.75	2.75	4.56	1.87	5.13	1.06	4.39	42.65
70	2.29	2.62	5.85	2.90	6.45	2.04	5.86	4.35	7.87	6.69	2.66	.58	50.18
71	.25	1.36	.70	1.79	2.45	1.51	3.99	8.22	6.45	1.70	1.53	5.79	35.74
72	3.91	1.70	1.95	4.31	7.08	4.14	5.68	1.13	10.80	3.23	7.71	3.61	55.25
73	3.95	2.96	6.37	7.42	2.38	12.39	8.03	5.92	7.71	11.13	.75	2.40	71.41
MEAN													
S.D.													
TOTAL OBS.													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

30

(FROM DAILY OBSERVATIONS)

41-46, 51-81

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

2 GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

17-76 ELLINGTON AFB TX

41-46, 50-60

STATION

STATION NAME

YEARS

AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	99.8	1.1	.1	.1		.1								.3	984	.1	3.2	.1
FEB	98.5	.8	.2	.1	.1		.2							.7	883	.4	6.2	.0
MAR	99.8	.2													961	TRACE	TRACE	.0
APR	100.0														930	.0	.0	.0
MAY	100.0														961	.	.0	.0
JUN	100.0														930	.0	.0	.0
JUL	100.0														960	.0	.0	.0
AUG	100.0														961	.0	.0	.0
SEP	100.0														930	.0	.0	.0
OCT	100.0														961	.	.0	.0
NOV	99.9	.1													930	TRACE	TRACE	.0
DEC	99.9	.1													930	TRACE	TRACE	.0
ANNUAL	99.7	.2	.0	.0	.0	.0	.0							.1	11321	.5		

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

STATION ELLINGTON AFB TX

41-46, 50-80

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
41													
42													
43													
44													
45													
46		.1*	.0										
50	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51		.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8
52		.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53		.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54		.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
55		.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
56		.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57		.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58		.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6
59		.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60		.0	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2
61		.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
62		.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
63	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
64	.1	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
65	.0	TRACE	.0	.0	.0	.0*	.0	.0	.0	.0	.0	.0	TRACE
66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
68	.1*	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
69	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
70	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
71	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
72	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	3.2	4.1	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1
MEAN													
S. D.													
TOTAL OBS.													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)
 JUL 84

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ATMOSPHERIC SERVICE/MAC

EXTREME VALUES
MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

1500 ELLINGTON AFB TX 41-46.5-27
STATION STATION NAME YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
41													
42													
43													
44													
45													
46		.1*	.0										
50	* .1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	* .0
51	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
62	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
63	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
64	.1	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
65	.1	TRACE	.0	.0	.0	.0*	.0	.0	.0	.0	.0	.0	*TRACE
66	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
68	.1*	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
69	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
70	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
71	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
72	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MEAN													
S.D.													
TOTAL OBS.													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)
JUL 64

EXTREME VALUES

(FROM DAILY OBSERVATIONS)

41-46, 5 - 8:

YEARS

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

17015 ELLINGTON AFB TX

41-46, 51-8

STATION

STATION NAME

YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
41													
42													
43													
44													
45													
46													
51	TRACE	TRACE											TRACE
52													
53													
54													
55													
56													
57													
58													
59													
60													
61													
62													
63													
64													
65													
66													
67													
68													
69													
70													
71													
72													
73													
MEAN													
S. D.													
TOTAL OBS.													

NOTE: * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)
JUL 84

1
SIGNAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

1 41-40, 50-80
ELLINGTON AFB TX

41-40, 50-80

STATION

STATION NAME

YEARS

AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	99.9	.4		.1										.1	1108			
FEB	99.9	.5	.1			.1								.2	997			
MAR	100.0														1085			
APR	100.0														1050			
MAY	100.0														1085			
JUN	100.0														1080			
JUL	100.0														1115			
AUG	100.0														1116			
SEP	100.0														1080			
OCT	100.0														1116			
NOV	100.0														1080			
DEC	100.0														1085			
ANNUAL	99.9	.1	12967			

USAFETAC FORM 0-15-5 (OL A)
OCT 78

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

- *1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

- *2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

*Values for means and standard deviations do not include measurements from incomplete months.

GLOBAL CLIMATOLOGY BRANCH
UNAFETAC
AID WEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WIND

(FROM DAILY OBSERVATIONS)

1. ELLINGTON AFB TX

52-50

STATION

STATION NAME

YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
52											NNW*38	NNW*36	
53	N *63	SSSE*34	NNW*33	S 38NE	43N	52N	29NNE	29ESE	31	52NNE	30NNW*33	N *63	
54	N 32NNW	37NW	36NNW	34NNE	49S	30NE	3JE	33ESE	31WSW	35W	37NNW	36	NNE 49
55	NNW 42N	56NNW	52ENE*45	NE 46SSW	33	SE 36W	33NNE	36NNW	43S	40ENE*36	N 56		
56	NNW 60SSW	43NNW	52NNW	45NNW	65N	60SSW*30	SSW 35NNE	33NNW	45NNW	41ESE	42	NNW 65	
57	NNW 35NNW	32NNW	39N	38WSW	41NNW	37NE	31NNW	43ENE	24SE	35N	43NNW	39	NNW 43
58	NNW 33NW	33SW	42SSW	27S	28ESE	31SW	26NE	34ENE	35NNE	27SSW	35SW	30	SW 42
59	SSW 35N	28NNW	35N	*38E	*31E	35ENE*60	SE 26S	20SSW	30S	32ESE	34	ENE*60	
60	SE 34NNW	40SE	*35SE	29W	33SSW	31SW	32E	*25SE	26NNW*33	NE 25SE	29	NNW 40	
61	NW 23W	*34NW	*35NNE	39W	*33NW	*36S	*27N	24SE	*57	NL	*14NNW*28		
62	NW 34NNW	31NNW	31ENE	25SSE	28E	*43E	29E	36SW	24SW	34N	30E	25	E *43
63	N 23N	43NNW	20S	30SE	40SSE	33S	26NNW	52N	*31NE	22NE	31NW	29	NNW 52
64	NNW 33ENE	27SE	40SSE	38SSE*31	S *28N	56ENE	50SE	29N	29S	28S	36	N 56	
65	S *39NE	*34NW	*37W	*50NNE*44	SSE*45	ENE*55	NNE 42S	*32ENE	29SSW	30NW	28	ENE*55	
66	NNW 32NW	32NNW	35ESE	34NNW	30NE	30E	36SSE	30NE	24N	*42N	33NNW	30	NW *42
67	SW 23N	32NW	32SSE	27E	24SE	28WSW	22S	25SE	31S	45S	*34NW	36	S 45
68	NNE*19	NNW*31	NNW*43	ENE*36	NNW 41NW	36	2/ 2718/	2212/	2033/	2734/	3334*	35	NNW*43
69	34*	2611/	5812*	3210/	3030/	3015/	27	8/ 4010/	30	4/ 2405/	3817/	31	4/ 35
70	35/	3622/	5030/	4934/	4016/	2935/	2635/	4634/	4631/	3903/	3223*	2833/	39
71	19/	2933/	3633/	35	1/ 3218/	3024/	2233/	30	7/ 40	6* 2836/	2430/	3728/	35
72	1/	3033/	33	6/ 3718/	3113/	48	1/ 34	8/ 3725/	3014/	3019/	2734/	3633/	31
73	33/	34	1/ 3112/	3636/	43	2/ 33	3/ 4136/	25	9/ 29	1/ 4334/	3830/	3432/	39
74	28/	3119/	3425/	3720/	2828/	3013/	3233/	2622/	35	2/ 3717/	3933/	3218/	32
75	27/	4035/	3913/	4830/	4821/	4219/	42	5/ 3827/	30	4/ 44	1/ 2916/	38	7/ 32
76	35/	4029/	4014/	3515/	3828/	51	3/ 3718/	3110/	3934/	2623/	27	3* 3036*	24
77	34/	3329/	3732/	3528/	4134/	2918/	2235/	2917/	2927/	5313/	3029/	3617/	35
78	32/	3933/	3336/	3111/	3232/	3410/	33	3/ 3134/	3121/	3512/	20	4/ 2528/	34
79	26/	4133/	3731/	32	1/ 33	7/ 3516/	34	1/ 4815/	2513/	4517/	4022/	2626/	32
80	30/	2918/	3536/	3832/	3111/	4919/	30	4/ 20	9/ 35	2/ 332	1/ 31	3/ 35	
MEAN	34.0	37.4	37.9	34.6	37.8	34.1	32.8	33.9	32.3	33.1	33.3	33.5	45.2
S.D.	6.619	7.944	6.754	6.121	9.902	8.387	8.216	7.666	9.025	7.849	4.821	4.229	4.667
TOTAL OBS.	633	762	843	797	828	619	837	855	791	818	604	701	975

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

S (BASED ON LESS THAN FULL MONTHS AND +10 KNOTS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1990 ELLINGTON AFB TX 69-70.73-80 JAN
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
0000-2200
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	4.4	5.3	5.6	.9	.2						18.6	9.2
NNE	.8	2.0	1.7	.5								5.1	6.7
NE	1.4	3.1	1.4	.6	.2							6.8	6.2
ENE	.8	1.7	1.3	.5								4.3	6.7
E	1.7	2.8	1.8	.5	.1							7.0	6.0
ESE	.8	1.2	.8									2.7	4.9
SE	.5	.8	.5									1.8	5.1
SSE	.8	1.4	1.7	1.7	.1							5.7	8.1
S	1.9	2.0	2.6	1.4								8.0	6.9
SSW	1.1	.6	.8	.3								2.8	5.7
SW	1.0	.5	.4	.3								2.3	5.2
WSW	.8	.8	.5	.3								2.4	6.0
W	.1	.6	.4									1.2	5.7
WNW	.4		.2	.2	.1							1.0	7.4
NW	.4	.2	.2	1.0	.1	.2						2.2	11.2
NNW	.5	.9	1.6	2.5	.4							5.9	10.3
VARBL													
CALM												22.5	
	15.2	23.1	21.3	15.6	1.9	.4						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1996 ELLINGTON AFB TX 69-72,73-80 JAN
STATION STATION NAME YEARS MONTH
ALL WEATHER 0300-0500
CLASS HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	4.9	6.6	4.3	.3							18.5	8.3
NNE	1.2	2.4	2.4	.4								6.3	6.4
NE	1.5	2.5	2.2	1.3								7.4	6.7
ENE	.9	1.9	1.9	.9								5.6	7.4
E	1.2	3.1	1.9	.8								7.0	6.2
ESE	.5	1.1	.9									2.5	5.2
SE	.4	1.1	.4									1.9	4.9
SSE	.9	1.2	1.9	.3	.1							4.4	6.8
S	.9	2.4	1.8	1.2								6.2	7.3
SSW	.2	.6	.8	.4								2.0	7.5
SW	.5	1.0	.9	.1								2.5	6.0
WSW	1.0	.8	.3	.4								2.5	5.8
W	.3	.9	.6	.3								2.2	6.7
WNW	.3	.6	.4	.1	.1							1.6	6.9
NW		.3	.5	1.3	.3							2.5	12.0
NNW	.5	1.0	1.4	1.8	.6	.2						5.6	10.7
VARBL													
CALM												21.3	
	12.7	25.7	24.9	13.7	1.5	.2						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12406
STATION

ELLINGTON AFB TX
STATION NAME

69-70, 73-80
YEARS

JAN
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	3.9	5.7	5.2	.5							13.6	8.3
NNE	1.4	2.2	4.1	.6								8.3	7.0
NE	1.3	2.5	1.8	.8								6.3	6.2
ENE	1.2	2.9	1.9	1.2								7.2	6.7
E	2.4	1.9	2.2	1.0								7.4	6.3
ESE	.9	1.0	.4									2.3	4.8
SE	.8	1.3	.4									2.5	4.4
SSE	1.2	1.9	1.8	.4								5.4	6.2
S	1.7	1.4	1.6	.4								5.2	5.8
SSW	.3	.6	.4									1.4	5.5
SW	.3	.9	.4									1.6	5.1
WSW	.4	.8	.5	.2								1.9	6.3
W	.9	.5	.8	.3								2.5	6.0
WNW	.5	1.0	.3	.4	.1							2.4	7.3
NW	.1	.9	.6	.5	.1							2.3	8.3
NNW	1.0	.8	2.4	1.9	.5	.1						6.7	10.1
VARBL													
CALM												18.2	
	17.6	24.3	25.5	13.0	1.3	.1						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1990 ELLINGTON AFB TX 69-70.73-80 JAN
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
8900-1100
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.7	5.2	6.8	1.0	.3						17.3	10.2
NNE	1.1	1.5	4.5	2.0	.1							9.2	8.3
NE	.9	2.3	3.7	1.3								8.1	7.5
ENE	1.6	2.0	3.1	1.6	.3							8.7	7.8
E	.9	4.3	4.0	1.4								10.5	7.2
ESE	1.0	1.2	1.6	1.1								4.8	7.2
SE	.4	1.4	1.3	.3								3.4	6.6
SSE	.5	1.0	1.0	1.9	.4							4.8	9.8
S	.4	1.1	2.5	2.5	.2							6.7	9.6
SSW	.3	.5	1.0	.6	.1							2.6	9.0
SW	.3	.3	1.1	.2								1.9	7.3
WSW	.4	.9	1.0	.6								2.9	7.7
W	.3	.3	1.3	1.0		.1						3.0	9.2
WNW	.3	.6	.6	.8	.2	.1						2.7	9.4
NW	.4	.5	1.0	.8	.5	.2						3.4	11.2
NNW	.2	.4	1.7	1.4	1.1							4.8	11.9
VARBL													
CALM												4.9	
	10.5	21.1	34.4	24.3	4.0	.8						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12976 STATION ELLINGTON AFB TX 69-70.73-80 YEARS JAN MONTH
1200-1400 HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	3.2	6.1	4.8	.6	.1						16.2	9.3
NNE	.5	1.9	3.1	1.6								7.2	8.1
NE	.2	1.2	1.9	.5								3.9	7.8
ENE	.2	1.4	2.3	1.0	.1							4.9	8.4
E	1.0	3.1	2.8	3.5	.3							10.8	8.6
ESE	.4	1.5	2.3	1.9	.1							6.2	8.7
SE	.5	1.1	1.6	.8	.2							4.2	8.4
SSE	.1	1.3	1.0	1.6	.9	.1						4.9	10.8
S	.5	1.5	1.8	5.1	1.1	.1						10.1	11.5
SSW	.6	.4	1.2	1.6	.4							4.3	10.1
SW	.4	.6	.8	.5	.1							2.5	7.8
WSW	.1	.1	1.3	.5	.1							2.2	9.6
W	.1	.6	1.3	.5	.5							3.1	10.1
WNW	.2	.4	.9	.3	.3	.3						2.5	11.3
NW	.6	.8	1.2	1.2	.3	.6						4.7	10.9
NNW	.5	1.4	2.6	2.2	2.0	.3						9.0	11.7
VARBL													
CALM												3.2	
	7.5	20.6	32.0	27.7	7.2	1.6						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12906 ELLINGTON AFB TX 69-70.73-80 JAN
STATION STATION NAME YEARS MONTH
ALL WEATHER 1500-1700
CLASS HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.8	5.7	4.2	1.1	.1						14.8	9.7
NNE	.4	2.4	2.5	1.7	.1							7.1	8.2
NE	.4	2.0	1.2	.1								3.8	6.1
ENE	.9	1.4	1.9	1.2								5.4	7.8
E	1.3	2.2	5.3	1.3	.1							10.1	7.8
ESE	.6	3.4	4.2	1.5								9.8	7.7
SE	.3	1.5	1.2	.8								3.8	7.4
SSE	.1	.9	1.1	2.5	.5	.1						5.2	11.7
S	1.0	1.9	3.2	4.8	.3							11.3	9.6
SSW	.2	.8	1.1	1.2	.3							3.5	10.3
SW	.4	.4	1.0	.2								2.0	7.5
WSW	.5	.9	.5	.2		.1						2.3	6.9
W	.3	.6	1.4	.8								3.1	8.1
WNW	.3	1.0	.8	.4	.2	.1						2.8	8.6
NW	.4	1.2	1.0	1.1	.4	.1	.2					4.4	10.4
NNW	.6	.9	1.7	2.6	1.5	1.0						8.3	12.6
VARBL													
CALM												2.4	
	8.9	24.2	33.7	24.5	4.6	1.5	.2					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1006 STATION ELLINGTON AFB TX 69-70.73-80 YEARS JAN MONTH
ALL WEATHER CLASS 1800-2000 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.9	5.2	4.5	.8	.2						16.2	8.9
NNE	.8	1.7	2.6	1.4	.1							6.6	6.1
NE	.8	2.0	1.1	.2								4.1	5.5
ENE	.8	1.0	1.2	.6	.1							3.7	7.4
E	2.4	2.8	2.4	1.2	.1							8.8	6.4
ESE	1.7	2.5	2.0	.5								7.1	5.8
SE	1.7	2.9	2.2	.8								7.5	5.9
SSE	2.8	3.2	2.4	1.4								9.8	5.9
S	2.2	3.4	4.4	.8								10.8	6.5
SSW	.4	.3	.8	.3								1.8	7.7
SW	.4	.4	.2									1.1	4.8
WSW	.6	.8	.1									1.5	4.0
W	.4	1.2	.2									1.8	4.4
WNW	.4	1.4	.6	.2								2.7	6.2
NW	.6	.4	.4	.5	.3	.1						2.5	6.9
NNW	.3	.9	1.1	2.8	.6	.3						6.0	12.3
VARBL													
CALM												8.1	
	18.1	29.1	26.8	15.3	2.0	.6						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12946 STATION ELLINGTON AFB TX 69-70.73-80 YEARS JAN MONTH
2100-2300 HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	4.2	4.1	6.0	.9	.1						17.3	9.2
NNE	.3	2.4	2.4	.8	.4							6.2	8.1
NE	.9	1.6	1.4	.1	.2							4.2	6.7
ENE	.5	1.4	1.2	.6								3.8	6.9
E	1.4	2.6	2.9	.3								7.2	6.1
ESE	.9	1.5	1.7	.5								4.6	6.8
SE	.8	.8	.8	.4								2.7	6.4
SSE	2.2	1.7	2.4	1.4								7.5	6.8
S	2.7	3.9	1.9	1.9	.3							10.8	6.4
SSW	1.3	.5	.8	.3								2.9	5.4
SW	.8	.5	1.0									2.3	5.4
WSW	.6	1.2	.1									1.9	4.2
W	.5	.2	.2									1.0	4.2
WNW	.1	.4	.2	.1								.9	6.8
NW	.5	.6	.2	.9	.3							2.6	9.4
NNW	.2	1.0	1.6	1.8	1.0							5.6	11.1
VARBL													
CALM												18.6	
	15.6	24.5	22.8	15.3	3.1	.1						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12976 STATION ELLINGTON AFB TX 69-70.73-80 YEARS JAN
MONTH
ALL
HOURS (L.S.T.)
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	3.7	5.5	5.2	.8	.1						17.2	9.1
NNE	.8	2.1	2.9	1.1	.1							7.0	7.7
NE	.9	2.2	1.8	.6	.1							5.6	6.6
ENE	.8	1.7	1.9	1.0	.1							5.4	7.4
E	1.5	2.8	2.9	1.2	.1							8.6	7.0
ESE	.9	1.7	1.7	.7	.7							5.0	6.8
SE	.7	1.3	1.0	.4	.0							3.5	6.4
SSE	1.1	1.6	1.7	1.4	.3	.0						6.0	8.0
S	1.4	2.2	2.5	2.3	.2	.0						8.6	8.1
SSW	.6	.6	.8	.6	.1							2.7	8.0
SW	.5	.6	.7	.2	.0							2.0	6.3
WSW	.6	.8	.6	.3	.0	.0						2.2	6.5
W	.4	.6	.8	.4	.1	.0						2.2	7.4
WNW	.3	.7	.5	.3	.1	.1						2.1	8.2
NW	.4	.6	.6	.9	.3	.2	.0					3.1	10.4
NNW	.5	.9	1.8	2.1	1.0	.2						6.5	11.4
VARBL													
CALM												12.4	
	13.3	24.1	27.7	18.7	3.2	.7	.0					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

10906 STATION ELLINGTON AFB TX STATION NAME 69-70.73-80 YEARS FEB MONTH 0000-0200 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	4.0	5.8	4.7	.8							17.8	6.7
NNE	.9	1.1	.9	.2	.1							3.3	6.3
NE	.9	1.3	.7	.2								3.2	5.4
ENE	.9	.8	.1	.5								2.4	5.4
E	1.1	1.5	2.0	1.4								6.0	7.6
ESE	.8	1.2	1.2	.4		.2	.1					3.9	8.0
SE	.9	.7	.5	.4								2.5	5.8
SSE	1.3	1.8	1.5	1.1								5.7	6.7
S	4.1	4.5	2.0	.8	.2							11.7	5.3
SSW	1.2	1.3	1.1	.4								3.9	5.8
SW	.6	.7	.5	.1								1.9	5.2
WSW	1.1	1.5	.4									3.0	4.2
W	.5	.9	.2	.1								1.8	5.1
WNW	.5	.8	.1	.2								1.7	5.5
NW	.7	.2	.1	.6	.1							1.8	6.0
NNW	.4	.8	1.4	1.9	.4	.1						5.0	10.3
VARBL													
CALM												24.6	
	18.4	23.3	18.6	13.0	1.7	.4	.1					100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 846

USAF CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 7 0 STATION ELLINGTON AFB TX 64-70.73-80 YEARS FEB MONTH 0300-0500 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	5.1	2.4	5.2	.4							19.4	8.1
NNE	1.1	1.5	1.8	.5								5.2	6.5
NE	1.3	2.4	.9	.4								5.0	5.3
ENE	.4	1.3	.5	.1								2.4	5.8
E	1.5	1.2	1.5	1.3	.1							5.7	7.4
ESE	.2	.5	.9	.7	.1	.1						3.0	9.5
SE	1.1	1.2	.9	.2								3.4	5.5
SSE	2.1	2.2	1.7	.8								6.6	6.2
S	4.5	1.9	.5	.6	.2							7.7	4.5
SSW	.6	.4	.2	.2								1.4	5.4
SW	.5	.2	.4	.1								1.8	5.2
WSW	.5	.7	.4	.1								1.7	5.9
W	.6	1.7	.7									3.0	5.2
WNW	.5	1.1	.6	.1								2.2	5.5
NW	.4	.4	1.1	1.2								3.0	9.5
NNW	.6	1.2	.5	1.2	.4							3.8	9.1
VARBL													
CALM												24.9	
	19.0	24.0	18.0	12.8	1.2	.1						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFD WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1973 STATION ELLINGTON AFB TX 69-70.73-80 YEARS FEB MONTH 1600-0300 HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	5.2	5.6	3.8	.7							16.9	8.2
NNE	1.3	1.4	2.7	1.4	.1							7.3	7.6
NE	1.3	1.4	1.2	.6								5.1	6.7
ENE	1.1	1.1	.7	.4	.1							3.3	6.2
E	.7	2.5	2.0	.9	.1							6.3	7.3
ESE	.7	1.8	1.3	.2	.4		.1					4.5	7.5
SE	1.5	1.5	.8	.5								4.4	5.3
SSE	1.2	1.7	2.1	.4								6.0	5.7
S	2.1	2.2	.9	.2	.1							5.7	5.1
SSW	.2	.2	.2									.7	4.5
SW	.5	.4	.4									1.2	4.9
WSW	.8	1.3	.4									2.5	4.5
W	.4	1.8	.4	.1								2.6	5.3
WNW	.6	1.1	.6	.1								2.4	5.5
NW	.6	.5	.7	.6	.1	.1						2.6	8.6
NNW	.8	.9	2.4	.8	.5							5.4	8.9
VARBL													
CALM												23.5	
	16.4	24.7	22.9	10.0	2.1	.1	.1					100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12976
STATION

ELLINGTON AFB TX
STATION NAME

69-70, 77-80
YEARS

FEB
MONTH
0900-1100
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.8	2.7	6.4	.2							12.9	10.1
NNE	.2	1.4	4.3	2.6								8.5	9.2
NE	.1	1.8	2.1	.6	.1							4.7	7.9
ENE	.6	1.2	1.9	.7	.7							5.1	9.0
E	.5	2.1	4.6	1.9								9.1	8.2
ESE	.6	1.2	2.1	2.0	.4							5.3	9.2
SE	.2	1.2	1.2	.4	.1							3.1	7.4
SSE	.8	.8	3.1	3.0	.4							8.0	9.6
S	1.1	2.6	3.3	4.7	.7							12.4	9.6
SSW	.4	.7	1.5	1.2	.1							3.9	9.3
SW	.2	.6	.6	.5	.2							2.1	9.1
WSW	.1	.7	.5	.8								2.1	9.0
W	.7	1.3	1.9	.8	.1	.2						5.1	8.2
WNW	.6	.2	.7	.7	.1							2.4	8.9
NW	.4	.4	.9	1.5	.2	.2						3.7	11.5
NNW	.5	.8	.8	4.1	.1							6.4	11.2
VARBL													
CALM												4.3	
	7.7	19.9	32.3	31.9	3.5	.5						100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 646

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1996 STATION ELLINGTON AFB TX 69-70.73-80 YEARS FEB MONTH 1200-1400 HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.5	3.1	5.0	.7							12.1	9.9
NNE	.2	1.1	1.8	.8								3.9	8.2
NE	.1	1.2	2.0	.8								4.1	8.1
ENE	.6	.5	1.8	.7	.4							3.9	9.1
E	.7	1.3	4.3	2.0	.5	.1						8.9	9.3
ESE	.4	1.1	3.3	1.4	.7							6.9	9.5
SE	.1	1.3	1.3	1.1	.4							4.1	9.4
SSE	.2	.5	1.9	2.8	.8	.1						6.4	11.9
S	.1	.6	3.3	7.0	1.9	.1						13.0	12.7
SSW		.6	1.8	2.0	.5							4.8	11.4
SW	.6	.6	2.1	1.7	.1							5.1	9.0
WSW	.7	.5	.6	.7	.1							2.6	8.2
W	.1	1.2	2.0	.2	.2	.2						4.0	8.9
WNW	.2	.5	1.1	.9	.1	.1						3.0	10.1
NW	.5	.8	1.3	3.3	.7	.1						6.7	11.7
NNW	.5	1.2	1.9	3.7	.9							8.2	10.8
VARBL													
CALM												2.4	
	5.9	15.2	33.5	34.2	8.0	.8						100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1976 STATION ELLINGTON AFB TX 69-70.73-80 YEARS FEB MONTH 1500-1700 HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.0	3.1	4.0	.5	.1						11.1	9.7
NNE	.1	1.1	2.0	.7								3.9	7.9
NE	.4	.8	.9	.7	.1							3.0	6.4
ENE	.4	1.1	.7	.4	.2							2.7	7.3
E	.1	2.0	4.3	2.0	.2							8.6	8.9
ESE	.5	2.1	4.3	1.7	.2							8.7	8.7
SE	.5	2.0	2.5	1.1								6.0	7.8
SSE		.5	2.6	4.4	.5							7.9	11.6
S	.4	.6	2.4	8.3	1.4	.2						13.2	12.7
SSW	.2	.1	.9	2.6	.2							4.1	11.6
SW	.2	.9	1.7	1.4								4.3	9.0
WSW	.4	.6	.6	.4	.1							2.0	8.1
W	.9	1.3	1.2	1.1	.2							4.7	8.1
WNW		.2	.6	.7	.4	.1						2.0	12.6
NW	.5	.8	2.4	1.8	.8	.1						6.4	10.8
NNW	.5	1.7	1.8	5.0	.7	.1						9.7	11.1
VARBL													
CALM												1.5	
	6.4	17.8	31.8	36.1	5.7	.7						100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12900
STATION

ELLINGTON AFB TX
STATION NAME

69-70, 73-80
YEARS

FEB
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	4.3	4.4	3.1	.4	.1						13.7	7.9
NNE	.2	.0	.6									1.8	5.9
NE	.4	.5	.1	.7								1.7	8.2
ENE	.9	.9	1.1	.4	.1							3.4	6.7
E	1.3	1.3	2.2	.5	.2							5.6	7.2
ESE	2.2	3.1	3.3	1.3	.1	.1		.1				10.3	7.3
SE	2.2	2.1	1.3	.1								5.6	5.1
SSE	2.7	5.8	3.1	1.7								13.2	6.1
S	2.4	5.8	5.4	2.5								16.1	7.5
SSW	.4	.9	1.2	.5								3.0	7.7
SW	.7	.2	.6	.4								1.9	6.7
WSW	.8	.1	.2									1.2	4.0
W	.9	.5	.4									1.8	4.6
WNW	.6	1.3	.5	.4								2.7	6.2
NW	.1	1.1	1.2	1.1	.1							3.5	9.4
NNW	.5	.9	2.5	2.6	1.3	.4						8.2	11.9
VARBL													
CALM												6.5	
	17.7	29.8	28.0	15.0	2.2	.6		.1				100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 846

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

10716
STATION

ELLINGTON AFB TX
STATION NAME

69-70, 73-80
YEARS

FEB
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	4.8	4.5	3.8	.9							16.0	8.5
NNE	.5	.9	.8									2.2	5.6
NE	.4	.8	.4	.6	.1							2.2	3.0
ENE	.6	.4	.4	.4								1.7	6.4
E	1.9	1.5	1.8	.6	.1							5.9	6.4
ESE	.7	1.5	1.5	.8	.2	.2		.1				5.2	9.1
SE	2.1	2.4	1.3	.4								6.1	5.1
SSE	1.8	3.1	1.9	.7								7.4	5.9
S	6.4	6.1	2.7	1.7	.1							17.1	5.3
SSW	1.1	1.4	.7	.4								3.5	5.8
SW	.2	.4	.6									1.2	6.5
WSW	.4	.7	.1									1.2	4.3
W	.4	1.7	.6									2.2	5.1
WWW	.5	.9	.2	.2								1.9	5.3
NW	.6	.9	.2	.5	.1							2.2	7.5
NNW	.4	2.1	1.3	2.5	.5							6.7	9.6
VARB													
CALM												17.0	
	15.6	27.4	19.2	12.9	2.1	.2		.1				100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 846

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12926 STATION ELLINGTON AFB TX 69-70.73-80 YEARS FEB MONTH
ALL WEATHER CLASS ALL HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	3.8	4.3	4.5	.6	.0						15.0	8.8
NNE	.6	1.2	1.9	.8	.0							4.5	7.6
NE	.0	1.3	1.1	.6	.0							3.6	7.1
ENE	.7	.9	.9	.4	.2							3.1	7.3
E	1.0	1.7	2.8	1.3	.2	.0						7.0	7.9
ESE	.8	1.6	2.2	1.1	.3	.1	.0	.0				6.1	8.5
SE	1.1	1.6	1.2	.5	.1							4.4	6.4
SSE	1.4	2.0	2.2	1.8	.2	.0						7.7	7.1
S	2.6	3.1	2.6	3.2	.6	.0						12.1	8.1
SSW	.5	.7	1.0	.9	.1							3.2	8.5
SW	.4	.6	.8	.5	.0							2.4	7.6
WSW	.6	.8	.4	.3	.0							2.0	6.2
W	.6	1.2	.9	.3	.1	.1						3.1	6.9
WNW	.4	.8	.5	.4	.1	.0						2.3	7.6
NW	.5	.6	1.0	1.3	.3	.1						3.7	10.2
NNW	.5	1.2	1.6	2.7	.6	.1						6.7	10.6
VARBL													
CALM												13.1	
	13.9	23.0	25.5	20.7	3.3	.4	.0	.0				100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 6768

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12976 STATION ELLINGTON AFB TX 69-70.73-80 YEARS 4AP MONTH 0000-0200 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	3.4	2.9	3.5	.4	.1						12.8	8.3
NNE	1.5	1.7	1.8	1.0								6.0	6.8
NE	.9	.8	.4	.3								2.4	5.9
ENE	.8	.8	.4	.3								2.3	5.8
E	.9	1.7	1.3	.8	.4							5.1	7.7
ESE	1.1	1.1	3.1	1.2	.1							6.6	8.0
SE	.6	1.4	2.8	1.8	.1	.1						6.9	8.8
SSE	1.7	2.3	3.2	3.4	.2							10.9	8.4
S	2.5	3.2	4.4	2.4								12.5	7.0
SSW	1.5	1.3	1.2	.3								4.3	5.7
SW	.4	1.0	.2	.1								1.7	5.1
WSW	.5	1.8	.3									2.7	4.4
W	.4	.6	.3									1.4	5.3
WNW	.6	.5	.1	.1								1.4	5.2
NW	.3	.5	.2	.3								1.4	6.9
NNW	.6	.8	1.2	1.0	.3							3.9	8.9
VARBL													
CALM												18.0	
	16.8	22.9	24.0	16.6	1.6	.2						102.0	6.1

TOTAL NUMBER OF OBSERVATIONS 931

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12926 ELLINGTON AFB TX 69-70, 73-80 MAP
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
0300-0500
HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.5	3.8	2.9	.5							10.8	6.9
NNE	1.5	2.2	1.8	1.2								6.7	6.8
NE	1.5	1.7	1.1	.3	.1							4.0	6.2
ENE	1.2	1.1	.4		.1							2.8	5.0
E	.5	1.7	1.8	1.1		.1						5.3	7.7
ESE	.9	1.3	1.8	.8	.3	.2						5.2	8.6
SE	1.0	1.4	1.6	2.0	.4							6.5	9.0
SSE	1.3	2.5	3.5	2.5	.5							10.3	8.5
S	2.2	3.4	2.6	1.5	.1							9.8	6.7
SSW	1.3	.8	.9	.1								3.0	4.7
SW	.4	1.4	.5	.1								2.5	5.7
WSW	1.2	.6	1.0									2.8	4.9
W	1.5	.8	.4									2.7	4.1
WNW	.5	.5	.5	.1			.1					1.8	7.3
NW	.4	.8	.4	.4	.1	.1						2.3	6.4
NNW	.4	.2	1.3	1.5	.1							3.5	10.3
VARB													
CALM												20.2	
	16.8	22.0	23.5	14.5	2.4	.4	.1					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12500 STATION ELLINGTON AFB TX 69-70, 73-80 YEARS MAP MONTH 0600-0800 HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.9	3.7	3.0	.6							11.1	8.9
NNE	.9	1.3	2.0	.4	.1							5.3	6.7
NE	.9	1.5	2.3	.3								4.9	6.7
ENE	1.3	1.8	1.2	.2	.2							4.7	6.0
E	.4	2.7	3.5	1.8	.1	.2						8.8	8.5
ESE	.8	1.4	1.7	.9		.1						4.8	7.9
SE	.6	1.2	2.0	1.3	.9							6.0	9.8
SSE	1.2	1.9	3.1	2.9	.4	.2						9.8	8.9
S	2.2	2.3	2.4	1.6	.2							8.6	7.1
SSW	.4	.4	.3									1.2	4.7
SW	.9	.6	.5									2.0	4.5
WSW	.8	1.7	.8									2.5	5.0
W	1.1	1.3	1.0	.3								3.7	5.6
WNW	.2	.2	.3	.3		.1						1.2	9.7
NW	.4	.4	.2	.5	.1							1.7	8.8
NNW	.3	1.0	1.4	1.4	.3	.1						4.5	9.9
VARBL													
CALM												19.1	
	14.1	21.5	26.5	15.1	3.0	.8						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 936

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12906 STATION ELLINGTON AFB TX 69-70, 73-80 YEARS MAR MONTH
2900-1100 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.5	3.3	4.1	.3							9.8	10.0
NNE	.2	.5	1.9	1.2	.1							4.0	9.4
NE	.2	1.0	1.9	1.2	.1							4.4	8.8
ENE	.9	1.7	2.5	1.1	.1							6.2	7.5
E	.8	2.8	3.9	4.1	.6							12.2	9.5
ESE	.4	.6	2.6	3.2	.3							7.2	10.6
SE	.4	.6	2.0	1.7	.9							5.7	10.7
SSE	.4	.9	2.8	3.0	1.1	.3						8.5	11.4
S	.4	1.2	4.3	6.7	2.6		.1					15.3	12.2
SSW	.1	.2	.9	1.3	.1							2.6	10.6
SW	.6	.8	1.3	.5								3.2	6.9
WSW	.3	1.0	.9	.5								2.7	7.3
W	.3	.5	1.6	1.1	.2							3.6	9.3
WNW	.5	.3	.2	1.3								2.4	9.4
NW	.2	.6	.3	1.5	.1	.2						3.0	11.3
NNW	.2	.3	1.1	3.9	.6							6.1	12.1
VARBL													
CALM												3.0	
	6.7	14.6	31.5	36.3	7.2	.5	.1					100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12906 STATION ELLINGTON AFB TX 69-70.73-80 YEARS MAR MONTH
1200-1400 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.2	3.1	3.1	.3							7.9	11.2
NNE	.4	1.1	1.4	1.0								3.9	7.8
N E	.2	.6	2.0	.4								3.3	8.1
ENE	.1	1.0	2.6	.1								3.8	7.5
E		2.6	4.4	3.7	.8							11.4	10.2
ESE		.9	3.1	3.4	.9	.2						8.5	11.6
SE	.4	.8	1.8	2.3	1.1		.1					6.5	11.4
SSE	.2	.3	2.3	3.1	1.9							8.3	12.3
S	.4	1.2	3.3	9.3	2.3	.1						16.6	12.5
SSW	.1	.5	1.3	1.5	.8	.1						4.3	12.0
SW	.2	1.0	.9	.6								2.7	8.1
WSW	.1	.5	1.8	.4	.1							3.0	8.6
W	.6	.8	1.7	1.6	.1	.1						5.0	9.6
WNW		.4	.5	.9	.1	.1						2.0	11.4
NW		1.0	2.4	2.2	.1							5.6	10.2
NNW	.3	.2	1.5	2.6	.9	.2						5.7	12.2
VARBL													
CALM												1.6	
	3.6	14.2	34.2	36.2	9.3	.9	.1					100.0	10.6

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

10506 STATION ELLINGTON AFB TX 69-70.73-80 YEARS 4 APR MONTH 1500-1700 HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.1	3.4	3.1	.5							9.0	9.7
NNE	.2	.6	1.0	.2								2.0	7.5
NE	.3	.5	1.6									2.5	7.0
ENE	.4	1.0	1.8	.3								3.5	7.3
E	.4	1.3	4.1	2.3	.1							8.2	9.0
ESE	.2	1.6	4.5	6.0	.5							12.9	10.6
SE	.5	1.1	2.4	2.5	.3	.2						7.0	10.4
SSE	.1	1.0	2.0	6.5	.8							10.3	11.7
S	.1	.9	5.2	8.2	1.6							15.9	12.0
SSW		.4	1.3	1.4	.1							3.2	10.5
SW	.3	.4	.4	.6								1.8	8.3
WSW	.1	1.1	.6	.4	.1							2.4	8.0
W	.3	1.0	1.1	1.1	.1		.2					3.8	9.8
WNW		.3	1.0	1.6	.3							3.2	11.6
NW		.5	1.4	1.9	.8							4.6	12.0
NNW	.1	1.0	2.3	3.7	.6	.2						7.8	11.4
VARB													
CALM												1.7	
	4.1	13.8	34.1	39.8	5.9	.4	.2					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12906
STATION

ELLINGTON AFB TX
STATION NAME

69-70.73-80
YEARS

MAR
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.2	3.2	2.8	.6							10.8	8.7
NNE	.9	1.2	1.0	.2								3.2	6.1
NE	1.0	.5	.8	.3								2.6	6.0
ENE	.8	.5	1.1	.1	.1							2.6	6.3
E	.9	.4	2.5	2.5	.1	.3						6.7	9.8
ESE	1.7	2.4	4.1	2.9	.2							11.3	8.3
SE	.6	3.9	3.9	1.5	.2							10.1	7.5
SSE	1.4	3.7	7.0	3.0	.2							15.3	6.3
S	1.3	6.3	6.2	3.0	.1							17.0	7.6
SSW	.2	.4	.9	.3								1.8	7.9
SW	.2	.3	.2									.8	5.6
WSW	.2	.3	.2		.1							.9	6.9
W	.3	.6	.8	.1								1.8	6.0
WNW	.1	.9	1.1	.3								2.4	7.7
NW	.1	.4	1.1	1.1	.3							3.0	10.4
NNW	.3	1.1	1.3	2.0	.4	.2						5.4	10.8
VARBL													
CALM												4.5	
	11.3	25.8	35.2	20.2	2.5	.5						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12710 STATION FILLINGTON AFB TX STATION NAME 69-70, 73-80 YEARS MAP MONTH 2100-2300 HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	3.7	3.1	3.4	.8							12.6	8.5
NNE	.8	1.6	1.1	.2								3.7	6.0
NE	.2	.9	.4	.1								1.6	5.5
ENE	.4	1.0	1.1	.2								2.7	6.0
E	.8	1.2	2.0	1.4	.4	.1						5.9	9.2
ESE	1.1	2.0	2.8	2.5	.1							6.5	8.4
SE	1.3	2.7	2.9	2.0	.4							9.4	7.9
SSE	2.5	3.4	4.2	3.0	.2							13.3	7.8
S	4.3	4.1	4.2	1.6								14.2	6.1
SSW	1.5	2.0	.6	.4								4.6	5.4
SW	1.2	1.4	.4	.1								3.1	4.8
WSW	.4	.9										1.3	4.1
W	.3	.5	.3									1.2	4.8
WNW	.4	.4	.2	.2								1.3	5.0
NW	.4	.5	.9		.1							1.9	6.3
NNW	.6	.8	1.2	1.3	.5							4.4	9.8
VARBL													
CALM												10.3	
	17.8	27.1	25.5	16.6	2.6	.1						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1976
STATION

ELLINGTON AFB TX
STATION NAME

60-70.73-80
YEARS

MAP
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.2	3.3	3.3	.5	.0						10.6	9.0
NNE	.8	1.3	1.5	.7	.0							4.3	7.1
NE	.6	.8	1.3	.4	.0							3.2	7.0
ENE	.7	1.1	1.4	.3	.1							3.6	6.6
E	.6	1.8	2.9	2.2	.3	.1						7.9	9.2
ESE	.5	1.4	3.0	2.6	.3	.1						8.1	9.4
SE	.7	1.6	2.4	1.9	.5	.0	.0					7.2	9.2
SSE	1.1	2.0	1.5	3.4	.7	.1						10.8	9.4
S	1.7	2.8	4.1	4.3	.9	.0	.0					13.7	9.2
SSW	.6	.8	.9	.7	.1	.0						3.1	7.8
SW	.5	.9	.6	.3								2.2	6.2
WSW	.5	.9	.7	.2	.0							2.3	6.2
W	.6	.8	.9	.5	.1	.0	.0					2.9	7.5
WNW	.3	.5	.5	.6	.1	.0	.0					2.0	9.0
NW	.2	.6	.9	1.0	.2	.0						2.9	9.9
NNW	.4	.7	1.4	2.2	.5	.1						5.2	10.9
VARBL													
CALM												9.8	
	11.4	20.2	29.3	24.4	4.3	.5	.1					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11506 STATION ELLINGTON AFB TX 69-70.73-80 APR MONTH
0000-2200 HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	2.4	1.2	.9	.1							7.1	6.4
NNE	.9	1.0	.6									2.4	4.6
NE	1.4	1.3	.3	.4								3.6	5.3
ENE	.4	1.1		.2								1.8	5.2
E	1.6	.8	1.0	.1								3.4	4.9
ESE	1.6	1.9	1.6	.3								5.3	5.8
SE	1.9	3.3	3.4	2.0	.1							10.7	7.2
SSE	2.2	2.8	4.4	3.0	.1	.1						12.4	8.2
S	2.2	2.4	5.1	2.2	.2	.1						12.3	7.9
SSW	.6	1.1	.9									2.6	5.2
SW	1.1	.8	.2									2.1	3.8
WSW	1.6	.8										2.3	3.0
W	.8	.6		.1								1.4	3.9
WNW	.6	.4	.1									1.1	3.7
NW	.6	.1	.6	.6								1.8	7.6
NNW	.4	.6	.3	1.0	.2							2.6	9.3
VARBL													
CALM												27.0	
	19.9	21.4	19.8	10.9	.8	.2						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

10976
STATION

ELLINGTON AFB TX
STATION NAME

69-70,73-80
YEARS

APR
MONTH
1300-0500
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.9	2.4	1.7	.1							9.0	6.9
NNE	1.7	1.3	1.3	.2								4.6	5.3
NE	1.6	1.2	.3									3.1	3.7
ENE	.9	1.6	.2	.1								2.8	4.7
E	1.6	2.2	.9	.3								5.0	5.0
ESE	.9	2.1	1.6	.1		.1						4.8	6.3
SE	1.7	2.8	2.0	1.4								7.9	6.6
SSE	1.7	3.8	4.7	2.0	.2							12.3	7.6
S	1.4	2.2	4.9	1.8	.3							10.7	8.0
SSW	.2	.6	.3									1.1	4.9
SW	.2	.3	.1									.7	4.2
WSW	.8	.7										1.4	3.4
W	1.3	.7	.3									2.3	3.7
WNW	.3	.6	.2	.1								1.2	5.4
NW	.6	.4	1.0	.4								2.4	7.1
NNW	.8	1.0	.8	1.0								3.6	7.5
VARBL													
CALM												27.1	
	17.4	24.3	21.1	9.2	.7	.1						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

10226 ELLINGTON AFB TX 69-70, 73-80 APR
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
600-0800
HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.3	3.9	1.3	.1							8.8	7.7
NNE	1.3	1.9	1.4	.7								5.3	6.2
NE	1.0	2.6	1.4	.4								5.4	6.0
ENE	1.6	2.2	1.3	.3								5.4	5.7
E	.6	2.0	2.9	.8								6.2	7.6
ESE	1.0	2.1	2.3	.8								6.2	6.8
SE	.9	3.2	3.8	2.2	.1							10.2	7.8
SSE	.7	2.6	5.3	2.2	.4							11.2	8.6
S	1.6	2.6	3.2	1.8								9.1	7.6
SSW	.4	.3	.2	.1								1.1	5.7
SW	.4	.1	.1									.7	4.0
WSW	.3	.1	.4									.9	5.3
W	.7	1.1	.9									2.7	5.9
WNW	.2	.8	.4									1.4	5.6
NW	.4	.3	.9	.4								2.1	7.8
NNW	.8	1.4	.4	1.0	.1							3.8	7.5
VARBL													
CALM												19.3	
	13.0	25.7	29.1	12.1	.8							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

109.6 STATION ELLINGTON AFB TX 69-70, 73-80 APP MONTH APR 1900-1100 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.1	2.8	3.7	.1							8.1	9.9
NNE	.3	1.0	2.3	1.7								5.3	8.9
NE	.2	.9	2.1	.2								3.4	7.5
ENE	.9	1.3	2.9	.7								5.8	7.6
E	.4	1.7	4.1	4.5								10.2	9.4
ESE	.9	.7	4.0	3.6	.1							9.2	9.8
SE	.1	1.3	3.0	3.2	.4							8.1	10.7
SSE	.6	1.4	4.9	5.8	1.2	.1						14.0	11.1
S	.7	1.7	4.4	6.9	.6	.2						14.5	11.0
SSW	.1	.8	.9	1.1	.1							3.0	10.0
SW		.8	.3	.2								1.3	6.7
WSW	.3	.6	.7	.3								1.9	7.0
W	.6	1.0	1.3	1.1	.1							4.1	8.2
WNW	.6	.4	.9	.8								2.7	6.0
NW	.1	.4	.2	.7								1.4	9.0
NNW	.1	.8	1.4	1.0	.3							3.7	9.6
VARBL													
CALM												3.1	
	6.5	15.8	36.4	34.9	3.0	.3						100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

107-8 STATION ELLINGTON AFB TX STATION NAME 69-70, 73-80 YEARS APR MONTH 1200-1400 HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	2.4	2.7	2.0								7.4	6.3
NNE	.2	.9	2.3	1.1	.1							4.7	8.7
NE	.4	.6	.9	.7								2.6	7.7
ENE	.8	.7	1.6	1.1	.1							4.2	8.2
E	.4	1.7	4.0	4.4								10.6	9.8
ESE	.3	.9	4.3	5.9								11.4	10.7
SE	.4	1.1	3.6	2.2	.8	.1						8.2	10.3
SSE		1.2	3.8	8.0	2.3	.3						15.7	12.8
S	.7	1.2	3.0	7.2	1.4	.6						14.1	11.9
SSW	.2	.2	1.0	1.2								2.7	9.8
SW	.2	.7	.8	.6								2.2	7.7
WSW	.1	.4		.1								.7	5.5
W	.3	.7	.4	.1								1.6	5.7
WNW	.1	.4	.6	1.2	.1							2.4	11.0
NW	.3	.8	1.2	1.9								4.2	9.7
NNW	.3	.7	1.1	2.4	.2	.1						4.9	10.8
VARBL													
CALM												2.4	
	5.3	14.6	31.2	40.2	5.1	1.1						100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12956
STATION

ELLINGTON AFB TX
STATION NAME

69-70, 73-80
YEARS

APP
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.2	3.0	1.7								6.6	8.1
NNE	.1	.9	1.2	.6	.3							3.1	9.4
NE	.3	.9	.8	.2	.1							2.3	7.3
ENE	.3	.6	.6	.4	.1	.1						2.1	8.4
E	.6	2.7	4.6	1.8	.3							9.2	8.5
ESE	.3	1.9	7.6	6.8	.1							16.6	10.0
SE	.1	1.6	3.3	4.8	.4	.1						10.3	10.7
SSE		1.1	4.9	8.9	1.4	.1						16.4	12.0
S	.3	1.2	4.9	6.6	1.3	.1						14.4	11.4
SSW		.7	.6	.6								1.8	8.8
SW	.1	.2	.4	.3								1.1	8.4
WSW	.2	.1	.2									.6	5.6
W	.4	.8	1.0									2.2	5.8
WNW	.1	.6	.7	.9	.1							2.3	10.3
NW	.1	.6	1.6	.7	.7	.2						3.8	11.0
NNW	.2	.6	2.3	1.7	.7	.1						5.6	10.7
VARBL													
CALM												1.6	
	4.0	14.7	37.6	35.8	5.7	.8						100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12936 STATION ELLINGTON AFB TX STATION NAME 69-70.73-80 YEARS APR MONTH
CLASS ALL WEATHER 1800-2000 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.3	2.6	1.1	.2							8.2	7.2
NNE	.4	.9	.8	.2	.3							2.7	7.9
NE	.4	1.7	.6	.1								2.1	5.7
ENE	.1	.8	.7									1.6	6.3
E	1.3	2.7	2.6	.4								6.7	6.5
ESE	1.3	2.4	6.7	2.0	.1							12.6	7.9
SE	1.6	4.3	6.1	3.3	.4							15.8	8.3
SSE	2.2	4.1	6.4	4.8	.4	.1						18.1	8.5
S	2.2	4.7	5.7	2.4	.2							15.2	7.3
SSW	.4	1.1	.6	.1								2.2	5.6
SW	.1		.1									.2	6.0
WSW	.1											.1	2.0
W	.4	.2	.2									.9	4.0
WNW	.3	.4	.4									1.2	5.5
NW	.1	.3	.8	.4	.1							1.8	9.6
NNW	.1	1.1	1.2	1.3	.4	.1						4.3	10.3
VARBL													
CALM												6.3	
	12.0	27.4	35.3	16.3	2.3	.2						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12976 STATION ELLINGTON AFB TX 69-70.73-80 YEARS
APD MONTH 2100-2300
HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.9	2.2	1.6	.2							8.2	7.4
NNE	1.3	.3	.6	.2								2.4	5.2
NE	1.7	.4	.3	.1								1.9	4.9
ENE	.3	1.3	.6									2.2	5.6
E	.8	1.6	1.8	.4								4.6	7.0
ESE	1.7	3.3	2.2	.4	.2							7.0	6.6
SE	2.2	3.8	5.6	2.7	.4							14.7	8.1
SSE	1.8	3.6	4.8	3.6	.1							13.8	8.1
S	4.5	2.4	4.0	2.4	.3							13.7	6.6
SSW	1.3	1.6	.7									3.6	4.3
SW	1.0	1.3	.1									2.4	3.9
WSW	.4	.2										.7	3.2
W	.4	.4										.9	3.5
WNW	.1		.2	.1								.4	8.3
NW	.6	.2	.3									1.1	4.7
NNW	.3	.6	.6	.3	.2		.1					2.1	9.4
VARBL													
CALM												20.2	
	18.5	24.1	23.7	11.9	1.6		.1					100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 898

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12516
STATION

FILLINGTON AFB TX
STATION NAME

69-70, 73-80
YEARS

APR
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.3	2.6	1.7	.1							7.9	7.7
NNE	.8	1.0	1.3	.6	.1							3.8	7.2
NE	.8	1.1	.8	.3	.0							3.1	6.0
ENE	.7	1.2	1.0	.4	.0	.0						3.2	6.6
E	.9	1.3	2.7	1.5	.7							7.0	7.9
ESE	.9	1.9	3.8	2.5	.1	.0						9.1	8.6
SE	1.1	2.7	3.8	2.7	.3	.0						10.7	8.6
SSE	1.1	2.6	4.9	4.8	.8	.1						14.3	9.7
S	1.7	2.3	4.4	3.9	.6	.1						13.0	9.1
SSW	.4	.8	.6	.4	.0							2.3	6.9
SW	.4	.5	.3	.1								1.3	5.5
WSW	.5	.4	.2	.1								1.1	4.5
W	.6	.7	.5	.2	.0							2.0	5.7
WNW	.3	.5	.4	.4	.0							1.6	7.9
NW	.3	.4	.8	.6	.1	.0						2.3	8.9
NNW	.4	.8	1.0	1.2	.3	.0	.0					3.8	9.6
VARBL													
CALM												13.4	
	12.1	21.0	29.3	21.4	2.5	.3	.0					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 7197

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12-06
STATION

ELLINGTON AFB TX
STATION NAME

69-70, 73-80
YEARS

MAY
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	2.3	2.3	.4	.1							7.3	5.6
NNE	.5	.8	.4	.4								2.2	6.9
NE	1.4	.6	.5			.1						2.7	4.7
ENE	.6	.6										1.3	3.9
E	1.0	1.2	.2									2.4	4.0
ESE	1.3	1.5	.6	.3	.1							4.0	5.7
SE	1.7	3.0	1.6	.6	.2							7.2	6.1
SSE	4.9	3.8	3.1	.3	.2							12.4	5.2
S	3.9	4.3	3.2	.5								11.9	5.4
SSW	1.4	.1	.4	.1								2.0	4.4
SW	.8	.9										1.0	3.7
WSW	1.9	.5	.2									2.7	3.5
W	.9	.6	.1									1.6	3.7
WNW	.5	.2										.8	3.1
NW	.5	.5		.1								1.2	4.1
NNW	1.0	.5	.4									1.9	4.2
VARBL													
CALM												36.9	
	24.6	21.6	13.2	2.9	.6	.1						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12906 STATION ELLINGTON AFB TX STATION NAME 69-70.73-60 YEARS MAY MONTH
CLASS ALL WEATHER HOURS (L.S.T.) 0300-0500

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.1	3.2	1.8	1.3								9.5	5.8
NNE	1.9	.9	.3		.1							3.2	4.0
NE	2.4	.6	.3	.1								3.4	3.6
ENE	1.6	.9	.1									2.6	2.9
E	1.5	1.2	.6	.1								2.9	4.8
ESE	1.7	.4	1.1	.4								3.7	5.7
SE	3.7	1.4	1.7	.4								6.6	5.1
SSE	4.5	3.1	2.4	.6								10.6	5.1
S	2.2	2.6	2.9	.4								8.1	5.8
SSW	.4	1.3	.1									1.8	4.5
SW	1.1	.8		.1								1.9	3.6
WSW	1.4	.3	.1									1.8	3.0
W	1.1	.9										1.9	3.4
WNW	.2	.4				.1						.8	6.9
NW	1.0	.3	.2									1.5	3.5
NNW	.9	.9	.4	.1								2.3	5.2
VARBL													
CALM												37.4	
	27.4	19.1	12.2	3.7	.1	.1						100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12976 ELLINGTON AFB TX

69-70, 73-80

MAY
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	2.2	2.4	1.1								9.0	6.5
NNE	1.6	1.1	1.5	1.0								5.2	6.7
NE	2.0	2.5	1.0	.1								5.6	4.6
ENE	1.4	.8	.2									2.4	3.4
E	1.5	2.7	1.2	.3								5.1	5.1
ESE	1.3	1.1	1.6	.5	.2	.1						4.8	7.1
SE	2.3	3.3	2.7	1.1	.1							9.5	6.3
SSE	2.3	4.2	4.3	1.3								12.0	6.5
S	1.6	3.4	4.5	1.5								11.1	7.1
SSW	1.0	.9	.3	.1								2.3	4.3
SW	.6	.3	.3									1.3	4.6
WSW	.5	1.0	.6									2.2	5.1
W	.8	1.2	.2	.1								2.3	4.6
WNW	.3	.8	.3									1.4	5.2
NW	.6	.4	.3	.1								1.5	4.5
NNW	.6	.8	.6	.1								2.2	5.6
VARBL													
CALM												23.4	
	20.9	25.8	22.2	7.3	.3	.1						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 932

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 10775 ELLINGTON AFB TX STATION NAME 69-70.73-80 YEARS MAY MONTH
CLASS ALL WEATHER HOURS (L.S.T.) 0900-1100
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.4	1.7	1.4	.1							5.5	7.9
NNE	.3	.8	1.1	2.5	.1							4.7	10.4
NE	.4	1.4	1.7	.4								4.0	7.1
ENE	.4	2.1	1.6	.5								4.6	6.7
E	1.2	2.9	4.2	1.4								9.7	7.3
ESE	.9	1.8	3.0	1.5	.1							7.3	8.1
SE	.5	1.8	3.1	1.2	.1							6.6	7.9
SSE	.9	1.9	5.4	5.6	.2	.1						14.1	9.9
S	.6	1.5	7.8	6.6	.2							16.8	9.9
SSW	.3	1.4	1.4	1.3								4.4	8.4
SW	1.1	1.3	1.5	.1								3.9	5.9
WSW	1.0	.9	1.0	.2								3.0	5.7
W	.9	1.7	1.4	.2								4.2	6.2
WNW	.3	.5	1.3	.1								2.3	7.0
NW	.6	.4	.5	.3								1.9	6.6
NNW		.5	1.5	.4								2.5	5.9
VARBL													
CALM												4.4	
	10.2	22.4	38.3	23.8	.9	.1						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ADM WEATHER SERVICE/MAC

SURFACE

**PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)**

179.6
STATION

ELLINGTON AFB TX
STATION NAME

69-70.73-80
YEARS

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	
N	.3	1.1	2.2	1.7	.1							
NNE	.6	.9	1.4	1.3								
NE	.2	.8	.5									
ENE	.9	.8	1.3	.2								
E	1.1	2.9	6.4	2.9								1
ESE	.3	2.1	4.3	3.3	.3							
SE	.4	1.9	2.5	3.1	.1							
SSE	.6	1.7	5.1	6.8	.6							1
S	.8	1.9	6.6	6.7	.5							1
SSW	.2	.9	2.5	.9								
SW	.3	1.5	1.1	.3								
WSW	.3	.5	.1									
W	.6	.8	1.7	.2								
WNW	.4	.3	.9	.1								
NW	.5	1.1	1.1	.3	.1							
NNW	.4	1.1	.5	1.1	.2							
VARBL												
CALM												
	8.6	20.1	37.6	28.9	2.0							10

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

17206 STATION ELLINGTON AFB TX 69-70.73-20 YEARS MAY MONTH 1500-1700 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.5	2.9	1.3	.2	.1						6.5	6.7
NNE	.2	.4	1.1	.5	.2							2.5	7.2
NE	.3	.6	1.0	.1	.1							2.2	7.3
ENE	.1	1.1	.6	.3								2.0	7.3
E	.9	2.3	4.1	1.7								8.9	7.9
ESE	.3	3.3	5.1	4.2	.1							13.0	9.1
SE	1.2	1.5	4.1	5.1								11.6	9.5
SSE	.4	1.5	6.1	6.5	.4	.1						15.1	10.2
S	.4	2.4	5.2	9.0	.2							21.9	9.9
SSW	.3	.3	1.7	1.0								3.8	9.7
SW	.2	.4	.4	.2								1.3	7.3
WSW	.2	.2	.4	.2								1.1	7.6
W	.1	1.2	1.1	.2								2.6	7.1
WNW	.2	.4	.6	.2								1.5	7.6
NW	.3	.3	1.1	.4								2.2	7.6
NNW	.2	.2	.8	1.3	.1							3.0	6.9
VARBL													
CALM												1.7	
	6.5	18.1	39.9	32.3	1.4	.2						100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 936

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ELLINGTON AFB TX STATION NAME ELLINGTON AFB TX YEARS 69-70, 73-80 MONTH 44
CLASS ALL WEATHER MONTH 1900-2000
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	3.8	1.6	1.4								8.1	2.7
NNE	.5	1.1	.9	.4								2.8	6.9
NE	.5	.7	.2	.1								1.7	2.3
ENE	1.1	.4	.2	.1		.1						1.9	5.4
E	1.1	1.4	1.8	1.0								5.3	7.0
ESE	1.4	2.7	4.0	1.3	.1							9.7	7.3
SE	1.7	5.1	6.2	1.7								14.7	7.5
SSE	2.2	5.7	9.7	1.9	.2							17.4	7.5
S	4.7	7.8	7.7	2.4								22.7	6.3
SSW	.2	1.4	1.7	.2								2.8	6.9
SW	.4	.5	.3									1.3	5.4
WSW	.1	.5		.1								.8	6.1
W		.2	.2	.1								.5	7.4
WNW		.2	.3									.5	6.2
NW	.4	.3	.2									1.0	2.0
NNW	.1	.2	.5	.1								1.0	6.6
VARBL													
CALM												5.9	
	16.5	32.4	34.0	17.9	.3	.1						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

10006 STATION FILLINGTON AFB TX 69-70.73-80 YEARS MAY
CLASS ALL WEATHER
CONDITION
HOURS (L.S.T.) 2100-2300

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.3	1.6	.8	.1							6.5	5.4
NNE	.6	.9	.8	.4								2.7	5.1
NE	.8	.5	.3	.2								1.8	5.2
ENE	.8	.5	.2									1.5	4.2
E	1.1	1.4	.8	.1								3.3	4.9
ESE	1.5	1.2	.9	.9								4.4	6.2
SE	4.7	4.5	3.2	1.1								12.8	5.6
SSE	6.8	5.2	4.5	1.6								18.1	5.3
S	7.6	4.7	1.7	.6								14.8	4.3
SSW	1.3	1.7	.5	.2								3.8	4.8
SW	1.1	.9	.4									2.4	4.0
WSW	.7	.3	.1									1.3	3.3
W	.1		.1		.1							.3	10.0
WNW	.3	.4	.1									.9	4.0
NW	.5	.1	.1	.1								.9	4.6
NNW	.5	.6	.1									1.3	3.7
VARBL													
CALM												23.3	
	29.6	25.3	15.5	6.1	.2							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

10706
STATION

ELLINGTON AFB TX
STATION NAME

69-70.73-80
YEARS

MAY
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.2	2.1	1.2	.1	.0						7.1	6.9
NNE	.8	.8	.9	.8	.1							3.4	7.5
NE	1.7	1.0	.7	.1	.2	.0						2.9	5.3
ENE	.9	.9	.5	.1		.0						2.4	5.2
E	1.1	1.9	2.4	.9								6.3	7.0
ESE	1.1	1.8	2.6	1.6	.1	.0						7.2	7.9
SE	1.9	2.3	3.1	1.8	.1							9.7	7.1
SSE	2.2	3.4	4.9	3.1	.2	.0						14.6	7.5
S	2.7	3.6	5.4	3.5	.1							15.3	7.7
SSW	.6	1.0	1.0	.5								3.2	6.8
SW	.7	.8	.5	.1								2.2	5.1
WSW	.8	.5	.3	.1								1.7	4.7
W	.6	.3	.6	.1	.0							2.1	5.6
WNW	.3	.4	.4	.1		.0						1.2	6.3
NW	.6	.4	.4	.2	.0							1.7	5.5
NNW	.5	.6	.6	.4	.2							2.2	7.1
VARBL													
CALM												17.0	
	18.0	23.1	26.6	14.5	.7	.1						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1998 ELLINGTON AFB TX 69-70.73-80 JULY
STATION STATION NAME YEARS MONTH
0000-2200
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.4	.6									2.2	4.3
NNE	1.6	.9	.1			.1						2.6	4.1
NE	.7	.2	.2									1.1	4.0
ENE	.2	.1	.1	.1								1.2	4.0
E	.4	.1										.6	2.4
ESE	.2	.2										1.0	3.5
SE	2.7	1.1	.9	.1	.1							4.9	4.5
SSE	5.2	3.8	2.9	1.0								13.5	5.2
S	5.2	2.7	2.2	.6								13.5	4.0
SSW	1.2	1.1	.3									3.3	3.9
SW	1.4	1.8	.1	.1								3.4	4.0
WSW	.8	.7	.1									1.6	3.9
W	1.1	.9	.1									2.1	3.2
WNW	.4		.1									.6	4.2
NW	.3	.1										.4	2.0
NNW	.2		.3									.7	4.3
VARB													
CALM												47.8	
	28.6	13.3	8.1	1.9	.1	.1						100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1976 ELLINGTON AFB TX 69-70.73-80
STATION STATION NAME YEARS
ALL WEATHER CLASS
0300-2500 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	1.1	.7	.2	.1							5.4	4.1
NNE	1.9	1.3	.4									3.7	3.8
NE	.8	.3		.1								1.7	4.1
ENE	.4											.4	2.5
E	1.6	.1		.1								1.8	2.9
ESE	.6	.1										.7	2.6
SE	2.7	.5	.3	.3	.1							4.2	4.6
SSE	2.4	2.8	3.2	.8		.1						13.1	5.7
S	4.1	2.7	2.0	.2								9.0	4.4
SSW	1.4	.8	.1									2.3	3.1
SW	.9	.1	.1									1.1	3.3
WSW	.9	.8	.1									1.8	3.8
W	1.6	.4	.2									2.2	3.3
WNW	.6	.3	.1									1.0	3.4
NW	.7	.2										.9	2.4
NNW	.4		.6									1.0	5.0
VARIABLE													
CALM												52.9	
	25.2	12.1	7.7	1.8	.2	.1						100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1790 STATION ALLINGTON AFB TX 69-70.73-80 YEARS JUN MONTH
CLASS ALL WEATHER
CONDITION

0600-0800 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	2.4	.4	.1								6.3	3.6
NNE	2.9	1.6	1.3	.4								6.2	5.3
NE	2.2	2.2	1.0									5.2	4.3
ENE	.7	1.6	.4									2.7	5.0
E	.6	.7	.3	.1								1.7	4.9
ESE	.5	.4	.1									1.3	3.6
SE	1.2	2.2	.2	.2								3.7	4.5
SSE	3.1	3.1	3.7	2.0								11.9	6.7
S	2.9	4.2	4.6	1.7								13.1	6.5
SSW	.7	1.9	1.0	.2								3.8	5.7
SW	1.1	1.2	.6									2.9	4.6
WSW	1.3	.7	.8									2.8	4.7
W	.8	.9	.1	.1								1.9	4.5
WNW	.4	.8										1.2	3.8
NW	.3	.6	.1	.1								1.1	5.1
NNW	.6	.2	.3	.2								1.3	5.2
VARB													
CALM												32.8	
	22.9	24.0	15.0	5.2								100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12936 STATION FILLINGTON AFB TX STATION NAME 69-70.73-80 YEARS JUN MONTH 0900-1100 HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.0	1.7	.3								5.0	6.1
NNE	.1	1.1	1.0	.9								3.1	5.2
NE	.7	2.6	1.6	.1								4.9	6.0
ENE	1.0	2.6	1.8	.1								5.4	5.9
E	1.6	2.7	2.1	.3								6.7	5.7
ESE	.6	1.2	1.6	.2								3.6	6.6
SE	.3	.9	1.8	.1								3.1	6.8
SSE	1.3	1.9	4.8	5.0	.6							13.6	9.6
S	1.2	4.4	8.3	6.7	.4							21.1	9.2
SSW	1.0	1.9	3.2	2.2	.1							8.4	8.0
SW	.3	1.9	2.1	1.3								5.7	7.9
WSW	.2	1.3	1.8	.6								3.9	7.7
W	.8	1.3	1.4	.1								3.7	5.7
WNW	.1	1.0	.6									1.7	5.9
NW	.1	.4		.2								.8	6.9
NNW	.7	.1	.4	.2								1.4	5.7
VARBL													
CALM												3.0	
	11.0	27.3	34.1	18.4	1.1							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1906 STATION ELLINGTON AFB TX 60-70.73-80 YEARS JUN MONTH
1200-1400 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.9	1.7	.6								4.0	6.6
NNE	.4	1.4	1.1	.1								3.1	6.4
NE	.7	1.9	.9	.2	.1							3.8	6.1
ENE	.3	2.6	.7	.1								4.1	5.1
E	1.3	3.0	2.7	1.0								8.0	6.6
ESE	.7	2.2	4.2	1.3	.1							8.6	7.6
SE	1.7	2.4	3.6	.9	.1							8.7	6.9
SSE	1.0	2.6	4.4	4.4	.3							12.8	9.4
S	.8	2.7	8.5	12.1	.9							22.9	10.5
SSW	.3	1.8	2.6	1.8								6.5	8.6
SW	.3	2.2	1.8	.4								4.8	6.5
WSW	.8	1.0	.9	.2								2.9	6.2
W	.7	1.1	.9	.6								3.2	6.8
WNW	.3	.3	.6	.2								1.4	7.1
NW		.3	.2	.1								.7	7.8
NNW	.1	.8	.3	.2								1.4	6.6
VARBL													
CALM												3.1	
	10.8	27.3	34.9	22.4	1.6							100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

129.6 STATION ELLINGTON AFB TX 69-70.73-80 YEARS JULY MONTH
ALL WEATHER CLASS 1500-1700 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.4	1.3	1.2	.6								3.3	7.2
NNE	.1	.6	1.4	.3								2.4	7.6
NE	.7	1.2	.9									2.8	5.3
ENE	.6	1.3	.3	.2								2.4	5.4
E	1.3	3.8	3.0	.8								8.9	6.2
ESE	.8	2.3	4.7	.8								8.6	7.3
SE	1.2	2.7	5.2	2.0	.1							11.0	7.8
SSE	.6	2.4	3.4	5.8	.6							17.8	9.7
S	.4	3.3	12.3	13.8	.3	.1						25.3	9.9
SSW	.6	1.3	2.1	1.5								5.0	7.6
SW	.4	1.4	.8									2.7	5.5
WSW	.7	.9	.4									2.0	4.8
W	.9	.4	.1	.2								1.7	4.9
WNW		.7	.1	.2								1.0	6.9
NW	.2	.2	.3	.3								1.1	8.2
NNW	.1	.4	.3	.4	.1							1.4	9.3
VARBL													
CALM												2.6	
	8.8	24.4	39.6	23.4	1.1	.1						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATM WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ELLINGTON AFB TX STATION NAME ELLINGTON AFB TX YEARS 69-70, 73-80 MONTH JUN
CLASS ALL WEATHER HOURS (L.S.T.) 1800-2000

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.4	.3	.1								2.7	5.5
NNE	1.7	1.4	.6	.1								3.1	4.6
NE	.9	.6	.2	.1								1.8	4.3
ENE	.7	.1		.2								1.0	4.9
E	1.3	.9	1.0									3.2	4.8
ESE	1.0	2.3	1.4	.1								4.9	5.6
SE	2.9	5.2	3.6	1.0								12.7	6.0
SSE	4.1	8.3	8.4	2.7	.1							23.6	6.7
S	4.8	17.9	11.9	4.0								31.6	6.8
SSW	.7	.9	1.4	.1								3.1	6.1
SW	.3	1.0	.3									1.7	5.5
WSW	.2	.2	.1									.6	3.6
W	.1	.4										.6	4.0
WNW	.1	.2	.1									.4	5.5
NW	.1	.1	.1		.1							.4	9.0
NNW	.4		.4	.3								1.2	8.4
VARBL													
CALM												7.3	
	19.6	34.1	37.0	8.8	.2							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12216 STATION ELLINGTON AFB TX 69-70.73-80 YEARS JUL MONTH
ALL WEATHER CLASS 2100-2300 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.2	.2	.2								1.4	5.2
NNE	.7	1.0	.2									1.9	4.1
NE	1.3	.3	.6	.1								2.3	4.4
ENE	.9	.2	.1									1.2	3.3
E	.7	.2		.1								1.0	3.8
ESE	.4	.7										1.1	3.6
SE	3.6	2.9	1.1	.4								8.0	4.6
SSE	9.8	5.6	3.4	1.0								19.8	4.5
S	11.9	6.3	1.3	.2								19.8	3.5
SSW	2.9	1.9	.6									5.3	3.9
SW	1.4	1.1	.4									3.0	4.0
WSW	.6	.6	.3									1.4	4.5
W		.1										.1	4.0
WNW	.2											.2	2.5
NW			.1									.1	7.0
NNW	.3											.3	1.7
VARBL													
CALM												32.9	
	35.4	21.1	8.4	2.1								100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1976 STATION ELLINGTON AFB TX 69-70.73-81 YEARS MONTH JUL
ALL WEATHER CLASS P ALL
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.2	.8	.3	.0							3.8	5.0
NNE	1.1	1.2	.8	.2		.0						3.3	5.0
NE	1.0	1.2	.7	.1	.0							2.9	5.0
ENE	.7	1.1	.4	.1								2.3	5.0
E	1.1	1.4	1.1	.3								4.0	5.0
ESE	.7	1.2	1.5	.3	.0							3.7	6.0
SE	2.1	2.2	2.1	.6	.1							7.0	6.0
SSE	3.6	3.8	4.9	2.8	.2	.0						15.4	7.0
S	4.3	4.5	6.1	4.3	.2	.0						19.5	7.0
SSW	1.2	1.4	1.4	.7	.0							4.7	6.0
SW	.9	1.3	.8	.2								3.2	5.0
WSW	.7	.8	.6	.1								2.1	5.0
W	.7	.7	.4	.1								1.9	4.0
WNW	.3	.4	.2	.1								.9	3.0
NW	.2	.3	.1	.1	.0							.7	6.0
NNW	.4	.0	.3	.2	.0							1.1	6.0
VARBL													
CALM												23.4	
	20.3	23.0	22.2	10.5	.5	.0						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 719

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
ELLINGTON AFB, HOUSTON, TEXAS REVISED UNIFORM SUMMARY OF SURFAC--ETC(U)
AUG 81

USAFETAC/DS-81/087

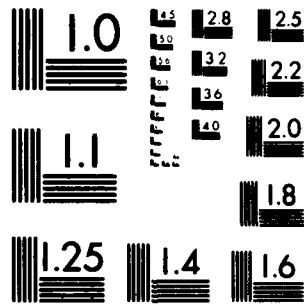
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963 A.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12506
STATION

ELLINGTON AFB TX
STATION NAME

69-73-80
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0000-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.1										1.2	2.2
NNE	1.1	.2	.2		.1							1.6	4.3
NE	.6	.2	.2									1.1	3.6
ENE	.3	.3										.6	3.3
E	.4	.1										.5	2.2
ESE	1.1	.3	.1									1.5	2.9
SE	2.2	.2										2.4	2.2
SSE	3.1	.8										3.9	2.5
S	6.1	1.7	.1	.1	.1							8.2	2.9
SSW	3.4	1.9	.1	.1								5.6	3.4
SW	5.4	2.4		.1								7.8	3.1
WSW	4.1	1.1	.2									5.4	3.0
W	2.0	.6										2.7	2.8
WNW	.4	.2										.6	3.0
NW	.4	.2	.1									.8	3.6
NNW	.1	.3										.4	4.5
VARBL													
CALM												55.7	
	31.9	10.8	1.1	.3	.2							100.0	1.3

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12926 STATION ELLINGTON AFB TX STATION NAME 69-70,73-80 YEARS JUL MONTH
0300-0500 HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	.5	.1									2.8	2.8
NNE	1.2	.3	.1									1.6	3.0
NE	1.8	1.0	.1									2.9	3.2
ENE	.3		.1									.4	3.0
E	.6	.8										1.4	3.8
ESE	.3											.3	2.0
SE	.8											.8	1.9
SSE	.8	.2										1.0	2.8
S	3.2	.9	.2	.1	.1	.1						4.6	4.0
SSW	1.6	.1	.1		.1							1.9	3.3
SW	2.3	.4		.2								2.9	3.3
WSW	2.9	1.7	.2	.1								4.9	3.5
W	2.7	.8	.1									3.5	2.9
WNW	.9	.2										1.1	2.6
NW	.8											.8	2.3
NNW	.2	.1										.3	3.0
VARBL													
CALM												68.7	
	22.5	7.0	1.1	.4	.2	.1						100.0	1.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12906 STATION ELLINGTON AFB TX 69-70.73-80 YEARS JUL MONTH
0600-0800 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	1.0	.3									3.4	3.3
NNE	1.6	1.0	.4									3.0	3.8
NE	1.8	2.3	.6									4.7	4.0
ENE	1.3	1.4	.5									3.2	4.4
E	.9	.6	.1	.1								1.7	3.7
ESE	.5	.4	.1									1.1	3.8
SE	1.3	.3	.1									1.7	3.0
SSE	.9	1.0	.1									1.9	3.9
S	1.9	2.0	.5		.1							4.6	4.5
SSW	1.2	1.2	.8	.1		.1						3.3	5.6
SW	1.8	2.4	.5	.1								4.8	4.4
WSW	1.7	1.8	.5									4.1	4.1
W	3.3	3.4	.8									7.5	3.9
WNW	2.2	1.3	.5									4.0	3.8
NW	1.6	.3	.1									2.0	2.9
NNW	.9	.2										1.1	2.7
VARBL													
CALM												47.5	
	25.1	20.7	6.1	.3	.1	.1						100.0	2.1

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12906 STATION ELLINGTON AFB TX 69-70.73-80 YEARS JUL MONTH
ALL WEATHER CLASS 0900-1100 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	1.1	.8	.1								3.8	4.5
NNE	1.0	.9	1.1									2.9	5.4
NE	.6	1.1	1.1									2.8	5.6
ENE	.9	1.8	.3									3.0	4.6
E	1.5	1.7	1.9	.4	.1							5.7	6.2
ESE	.6	1.2	1.0	.2								3.0	5.8
SE	.8	.6	.6	.3								2.4	6.2
SSE	1.7	2.0	1.9	.1								5.8	5.6
S	1.7	4.9	3.2	.8								10.6	6.1
SSW	1.1	2.4	2.3	.5								6.2	6.4
SW	2.0	4.7	2.8	.6								10.2	5.9
WSW	2.5	4.0	4.3	.6								11.4	5.9
W	1.9	6.0	3.4	.2								11.6	5.7
WNW	1.6	2.4	1.0	.1								5.1	4.8
NW	1.3	1.7	.9									3.9	4.6
NNW	.4	1.0	.4									1.8	5.1
VARBL													
CALM												9.8	
	21.5	37.5	27.0	4.1	.1							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 936

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12906 STATION ELLINGTON AFB TX 69-70.73-80 YEARS JUL MONTH
1200-1400 HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.6	.2	.2	.1							2.0	5.4
NNE	.6	.8	.4	.3								2.2	5.8
NE	.4	1.7	.5	.1								2.0	5.6
ENE	.8	.9	.4	.1								2.2	5.0
E	1.8	3.3	3.0	.6								8.8	6.3
ESE	1.0	2.5	3.1	.6								7.2	6.7
SE	1.7	3.3	2.7	.3								8.1	6.0
SSE	1.1	2.2	4.3	.9	.1							8.5	7.4
S	1.8	4.6	7.8	1.6								15.9	7.4
SSW	1.4	2.9	2.0	.8								7.1	6.3
SW	1.7	2.9	2.6	.4								7.6	6.1
WSW	1.9	3.8	3.0	.3								9.0	5.6
W	1.2	3.4	1.5									6.1	5.4
WNW	.9	.8	.1									1.7	3.7
NW	1.4	.8	.3	.1								2.6	4.3
NNW	.8	.4	.2									1.4	3.8
VARBL													
CALM												7.5	
	19.4	34.1	32.4	6.5	.2							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12906
STATION

ELLINGTON AFB TX
STATION NAME

69-70.73-80
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.6	.5		.1							1.6	6.1
NNE	.4	.3	.3									1.1	4.5
NE	.3	.5	.8									1.6	6.1
ENE	.3	.5	.5	.1								1.5	6.1
E	1.5	2.8	1.9	.3								6.6	5.9
ESE	.9	3.0	3.9	.4								8.2	6.9
SE	1.2	3.9	4.1	1.0								10.1	6.9
SSE	1.5	3.2	6.2	1.0								11.9	7.1
S	1.8	5.9	17.3	6.0								31.1	8.4
SSW	.8	2.2	4.4	1.6								8.9	7.7
SW	.6	1.5	2.5	.8								5.4	7.3
WSW	.8	2.3	.5									3.5	5.0
W	.3	1.5	.5									2.4	5.4
WNW	.5	.3										.9	3.1
NW	.2	.2	.2									.6	5.5
NNW		.2	.3	.1								.6	8.2
VARBL													
CALM												4.0	
	11.5	29.0	44.1	11.3	.1							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12906 STATION ELLINGTON AFB TX STATION NAME 69-70,73-80 YEARS JUL MONTH 1800-2000 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.1										1.0	2.6
NNE	.4	.6	.2	.1								1.4	4.9
NE	.5	.4	.2			.1						1.3	5.7
ENE	1.1		.2	.1								1.4	4.1
E	1.7	.9	.3	.1	.1							3.1	4.7
ESE	1.4	1.6	.9	.1								4.0	4.8
SE	1.7	3.0	1.0	.2								5.9	4.9
SSE	3.3	5.5	4.2	.2								13.3	5.4
S	9.3	19.3	15.7	1.5								44.9	5.9
SSW	1.1	3.0	3.5	1.0								8.5	7.0
SW	.6	.6	.9									2.2	5.3
WSW	.2	.5	.1									.9	4.8
W	.4	.5	.1									1.1	4.1
WNW	.1	.3										.4	4.5
NW	.2	.1	.2									.5	5.6
NNW			.2									.2	7.5
VARBL													
CALM												9.9	
	22.1	36.7	27.7	3.3	.1	.1						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12406 STATION ELLINGTON AFB TX STATION NAME 69-70, 73-80 YEARS JUL MONTH
ALL WEATHER CLASS 2100-2300 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.2										.9	2.6
NNE	.5	.2	.1	.2								1.1	5.5
NE	.5	.1	.1	.1								.9	4.5
ENE	1.0	.4										1.4	2.8
E	1.1	.5	.1									1.7	3.3
ESE	.6	1.0	.1									1.7	3.4
SE	2.6	.5	.1									3.2	2.8
SSE	6.7	2.5	.2									9.4	2.9
S	15.3	6.8	.5									22.7	3.1
SSW	5.1	5.1	.9									11.0	3.9
SW	2.2	2.3	.3	.2								5.0	4.2
WSW	.8	.3			.1							1.2	4.4
W	.8	.3	.1									1.2	3.5
WNW	.3	.1	.1									.5	3.8
NW	.3											.3	1.7
NNW	.2											.2	3.0
VARBL													
CALM												37.6	
	38.6	20.4	2.7	.5	.1							100.0	2.1

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12506 STATION ELLINGTON AFB TX 69-70.73-80 YEARS JUL MONTH
ALL WEATHER CLASS ALL HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.5	.2	.0	.0							2.1	3.8
NNE	.9	.5	.4	.1	.0							1.9	4.6
NE	.9	.8	.5	.0		.0						2.2	4.6
ENE	.7	.7	.3	.0								1.7	4.4
E	1.2	1.3	.9	.2	.0							3.7	5.5
ESE	.8	1.3	1.1	.2								3.4	5.8
SE	1.5	1.5	1.1	.2								4.3	5.3
SSE	2.4	2.2	2.1	.3	.0							7.0	5.4
S	5.7	5.8	5.7	1.3	.0	.0						17.8	5.9
SSW	2.0	2.3	1.7	.5	.0	.0						6.6	5.7
SW	2.1	2.2	1.2	.3								5.7	5.1
WSW	1.9	1.9	1.1	.1	.0							5.1	4.8
W	1.6	2.1	.8	.0								4.5	4.6
WNW	.9	.7	.2	.0								1.8	4.0
NW	.8	.4	.2	.0								1.4	4.0
NNW	.3	.3	.1	.0								.8	4.6
VARBL													
CALM												30.1	
	24.1	24.5	17.8	3.4	.1	.0						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 7432

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12906 STATION ELLINGTON AFB TX STATION NAME 69.72-80 YEARS AUG MONTH
ALL WEATHER CLASS 0000-0200 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	.2										1.8	2.4
NNE	1.4	.8										2.2	2.9
NE	2.5	.8										3.2	2.8
ENE	.8		.1	.1								1.0	4.3
E	.5	.4	.4	.4								1.8	6.6
ESE	1.0	.2										1.2	2.5
SE	1.0	.6										1.6	3.1
SSE	3.0	1.0										4.0	2.6
S	5.1	1.2	.2	.1								6.6	2.8
SSW	1.5	.6										2.2	2.7
SW	1.2	1.1	.1									2.4	3.3
WSW	1.7	.5										2.3	2.6
W	2.0	.6										2.7	2.5
WNW	.4	.3										.8	3.0
NW	.5		.1									.6	3.3
NNW	.3											.3	2.3
VARBL													
CALM												65.4	
	24.5	8.4	1.0	.6								100.0	1.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATK WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12506
STATION

ELLINGTON AFB TX
STATION NAME

69.72-80
YEARS

AUG
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.0	.3										4.3	2.2
NNE	2.3	1.3										3.5	3.0
NE	2.5	2.0										4.5	3.4
ENE	.6	.6		.3								1.6	5.6
E	.3		.1	.1								.5	5.6
ESE	.2			.1								.3	5.0
SE	1.2	.3										1.5	2.9
SSE	1.3	.4	.2									1.9	3.4
S	2.5	.3	.4	.1								3.3	3.4
SSW	.9	.4										1.3	2.8
SW	.5	.5										1.1	3.3
WSW	.6	.4										1.1	3.3
W	1.3	.9										2.2	3.1
WNW	.4	.2										.6	3.0
NW	.6											.6	2.2
NNW	1.0											1.0	2.2
VARBL													
CALM												70.5	
	20.2	7.8	.8	.6								100.0	.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

10716 STATION ELLINGTON AFB TX STATION NAME 69.72-80 YEARS AUG MONTH
CLASS ALL WEATHER
CONDITION 1600-0800
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.2	1.3	.2									9.7	2.8
NNE	3.5	3.1	.6									7.3	3.9
NE	3.1	2.5	.6	.3								6.6	4.4
ENE	1.5	.5	.5									2.6	3.9
E	1.2	.6	.6	.1								2.6	5.0
ESE	.8	.5	.1									1.4	3.8
SE	1.0	.3	.1									1.4	3.1
SSE	.9	2.0	.1									3.0	3.8
S	3.7	1.0	.8	.1								4.8	3.8
SSW	.9	2.7	.2									3.1	4.1
SW	.9	.4	.1									1.4	3.4
WSW	1.3	.9	.2									2.4	3.5
W	.6	.6	.4	.1								1.6	5.2
WNW	.9	.5	.1									1.5	3.5
NW	.8	.1	.1	.1								1.1	3.6
NNW	1.0	.3										1.3	2.8
VARBL													
CALM												51.1	
	26.3	16.9	4.9	.8								100.0	1.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12976
STATION

ELLINGTON AFB TX
STATION NAME

69.72-80
YEARS

AUG
MONTH
0900-1100
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.5	.9	.2								4.4	5.3
NNE	1.5	1.3	1.0	.3								4.1	5.3
NE	1.9	3.3	1.9									7.2	5.0
ENE	2.7	3.7	2.5	.3								8.5	5.5
E	2.5	3.9	2.0	.4	.1							8.9	5.6
ESE	.9	1.7	1.4	.6	.1							4.7	7.0
SE	1.2	2.5	1.4	.4								5.5	5.8
SSE	1.7	2.2	1.2	.3								5.4	5.0
S	1.3	3.5	2.7	1.3	.2							9.0	7.1
SSW	1.1	2.8	1.6	.8								6.2	6.4
SW	1.6	2.5	2.3	.1	.1							6.6	5.8
WSW	1.8	3.4	1.5									6.8	4.8
W	1.7	1.9	1.3	.1								5.1	5.0
WNW	1.1	1.0	.5									2.6	4.8
NW	1.7	.6	.2									1.8	3.6
NNW	.6	1.0	.1									1.7	3.8
VARBL													
CALM												11.5	
	22.8	37.7	22.5	4.9	.5							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1986 ELLINGTON AFB TX

69.72-80

AUG

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

1200-1400

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.4	.9									3.0	5.0
NNE	.8	1.3	.6	.4								3.1	6.1
NE	1.1	2.2	1.8									5.1	5.6
ENE	1.3	2.7	2.2	.1								6.2	5.6
E	1.7	5.1	6.3	1.1	.4							14.6	7.0
ESE	2.3	4.2	4.6	1.1								12.2	6.4
SE	1.1	2.5	3.4	.8								7.7	6.8
SSE	1.3	4.4	2.6	1.1	.1							9.5	6.6
S	1.7	3.1	6.2	2.5	.1							13.7	7.7
SSW	1.0	1.4	2.3	.5								5.2	6.8
SW	.6	2.0	1.3									4.0	5.9
WSW	1.2	1.4	.9	.1								3.5	5.0
W	.9	1.6	.3	.1								2.9	4.5
WNW	.3	.6	.3									1.3	4.4
NW	.3	.4	.1									.9	4.6
NNW	.6	.4	.5									1.6	5.0
VARBL													
CALM												5.6	
	16.9	34.7	34.4	7.7	.6							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12906 ELLINGTON AFB TX

69.72-80

AUG

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

1500-1700

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.2	.3	.1								1.0	6.2
NNE	.8	.4	.4	.2								1.8	5.2
NE	.5	.9	1.2									2.6	6.1
ENE	1.1	1.0	1.0	.3								4.3	5.9
E	1.6	4.6	4.5	.5	.1							11.4	6.4
ESE	2.0	6.3	6.1	1.2								15.7	6.5
SE	1.7	4.8	6.2	1.2								14.0	6.8
SSE	1.6	5.3	6.1	1.4								14.4	6.9
S	1.3	4.1	10.0	3.1	.1							18.6	8.3
SSW	.4	1.6	2.2	.2								4.4	6.9
SW	.4	.9	1.0	.1								2.4	6.0
WSW	.3	.3	.4	.1								1.2	6.4
W	.3	.4	.4	.1								1.3	6.1
WNW	.3		.2									.5	4.8
NW	.9	.2										1.1	2.8
NNW		.1	.2									.3	6.0
VARBL													
CALM												5.1	
	13.7	32.2	40.3	8.6	.2							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

930

USAFETAC

FORM 0-8-5 (DL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12906 STATION ELLINGTON AFB TX 69.72-80 YEARS AUG MONTH
1800-2000 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.1	.3	.1								1.1	5.4
NNE	.5	.1	.1									.8	3.4
NE	1.0	.9	.6									2.5	4.7
ENE	1.0	1.1	.2	.3								2.6	4.9
E	2.5	2.0	1.3	.8								6.6	5.4
ESE	2.9	4.2	1.6									8.7	4.6
SE	4.3	4.1	1.6	.1								10.1	4.3
SSE	7.7	5.7	3.3	.4								17.2	4.4
S	6.8	13.7	6.2	.9								27.5	5.2
SSW	.2	.9	.8									1.8	5.5
SW	.3	.3	.1									.8	4.1
WSW	.3	.1	.2									.6	4.5
W	.5	.2	.1									.9	3.3
WNW	.2	.1										.3	2.7
NW	.1	.1										.2	3.5
NNW	.6	.1										.8	2.9
VARBL													
CALM												17.6	
	29.6	33.7	16.6	2.6								100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12906 STATION ELLINGTON AFB TX STATION NAME 69.72-80 YEARS AUG MONTH
CLASS ALL WEATHER 2100-2300 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.1	.1									.9	2.6
NNE	.2	.2										.4	3.5
NE	1.5	.9	.3									2.7	3.8
ENE	1.5	1.1	.2	.1								2.9	4.2
E	1.6	.8	1.3									3.7	5.1
ESE	1.2	.8	.2									2.2	3.9
SE	3.0	.3	.2									3.5	2.8
SSE	5.8	1.9	.1	.1								8.0	2.9
S	10.2	3.2	.5									14.0	3.0
SSW	3.3	.5	.2									4.1	2.9
SW	1.2	.3	.1									1.6	3.2
WSW	.6	.4										1.1	3.6
W	.3	.5										.9	3.6
WNW	.4	.1	.1									.6	3.3
NW	.2											.2	2.0
NNW	.4											.4	2.3
VARBL													
CALM												52.9	
	32.3	11.2	3.4	.2								100.0	1.6

TOTAL NUMBER OF OBSERVATIONS 930

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12976 ELLINGTON AFB TX

69.72-80

AUG
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	.8	.3	.1								2.9	3.7
NNE	1.4	1.1	.3	.1								2.9	4.3
NE	1.8	1.7	.8	.0								4.3	4.5
ENE	1.2	1.5	.8	.2								3.7	5.2
E	1.5	2.2	2.1	.4	.1							6.3	6.1
ESE	1.4	2.2	1.8	.4	.0							5.8	5.8
SE	1.8	1.9	1.6	.3								5.7	5.4
SSE	2.9	2.9	1.7	.4	.0							7.9	5.0
S	4.0	3.8	3.4	1.0	.1							12.2	5.7
SSW	1.2	1.3	.9	.2								3.5	5.3
SW	.8	1.0	.6	.0	.0							2.5	5.0
WSW	1.0	.9	.4	.0								2.4	4.4
W	1.0	.9	.3	.1								2.2	4.3
WNW	.5	.4	.2									1.0	4.0
NW	.6	.2	.1	.0								.8	3.4
NNW	.6	.2	.1									.9	3.5
VARBL													
CALM												35.0	
	23.3	22.8	15.5	3.3	.2							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12906
STATION

ELLINGTON AFB TX
STATION NAME

69.72-80
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.6	2.8	.6	.3	.1							8.3	4.0
NNE	3.2	2.4	1.0	.2								6.9	4.3
NE	1.4	2.8	.9	.4								5.6	5.1
ENE	.4	1.1	.4	.1								2.1	5.4
E	1.2	.8	.8	.1	.1							3.0	5.4
ESE	1.2	.3	.2			.1						1.9	4.8
SE	2.3	1.2	.2	.1								3.9	3.3
SSE	2.0	1.4	.4									3.9	3.7
S	2.0	.7		.1								2.8	3.2
SSW	.1											.1	1.0
SW	.8	.1										.9	2.4
WSW	.1	.4										.6	4.0
W	1.0	.3	.2	.1								1.7	3.9
WNW	.3	.6										.9	3.3
NW	.6	.3		.1								1.0	4.1
NNW	.1	.6	.2	.3								1.2	7.3
VARBL													
CALM												55.3	
	21.4	15.9	5.0	2.0	.2	.1						100.0	1.9

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12946 STATION ELLINGTON AFB TX 69.72-80 YEARS SEP MONTH 0300-0500 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.0	4.1	.3	.6								12.0	3.6
NNE	4.7	3.2	1.3	.3								9.6	4.3
NE	1.8	4.3	1.3									7.4	4.8
ENE	.7	.9	.3	.1								2.0	5.1
E	.9	.2	.4									1.6	4.3
ESE	.7	.4		.1								1.2	4.1
SE	1.7	.2	.1	.1	.1							2.2	4.2
SSE	1.6	.4	.3	.2								2.6	4.3
S	1.4	.9										2.3	3.0
SSW	.2		.1									.3	4.3
SW	.4	.1	.1									.7	3.5
WSW	.1	.1	.2									.4	5.8
W	.4	.2	.1									.8	3.7
WNW	.6	.3										.9	3.5
NW	1.1	.7	.2									2.0	3.5
NNW	1.1	.4	.2	.1								1.9	4.1
VARBL													
CALM												52.1	
	24.3	16.7	5.2	1.6	.1							100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12976 ELLINGTON AFB TX 69.72-80 SEP
STATION STATION NAME YEARS MONTH
0600-0800
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	4.4	1.3	.6	.3							12.0	4.6
NNE	4.8	5.3	2.9	1.0								14.0	5.1
NE	3.7	4.6	2.9	.1								11.2	4.9
ENE	1.2	2.1	1.2									4.6	5.2
E	1.2	.8	.3	.1								2.4	4.0
ESE	1.1	.7	.4									2.2	3.9
SE	.8	.7	.2	.1								1.8	4.6
SSE	1.1	1.0	.6									2.7	4.7
S	1.2	1.8	.6	.1								3.7	4.8
SSW	.4	.3	.1									.9	4.4
SW	.3		.1	.2								.7	6.8
WSW	.1	.4		.1								.7	5.5
W	.2	.2	.1									.6	4.6
WNW	.8	.2	.2	.1								1.3	4.7
NW	1.4	.6	.3									2.3	3.6
NNW	1.2	.2	.2	.3								2.0	4.6
VARBL													
CALM												37.0	
	25.0	23.3	11.6	2.8	.3							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12926 STATION ELLINGTON AFB TX STATION NAME 69.72-80 YEARS SEP MONTH 0900-1100 HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.8	3.0	1.4	.2							9.4	7.3
NNE	1.3	4.9	2.7	.7								9.4	6.2
NE	2.3	4.7	3.1	.7								10.8	5.9
ENE	2.4	4.8	4.4	.4								12.1	5.9
E	2.7	3.9	4.8	1.0								12.3	6.2
ESE	1.0	1.4	1.3	.4								4.2	5.8
SE	.8	1.8	1.6	.1								4.2	5.7
SSE	1.2	1.7	2.0	1.0								5.9	7.0
S	1.1	2.9	2.7	1.4	.1							8.2	7.1
SSW	.6	1.9	1.2	.4								4.1	6.5
SW	1.1	.3	2.2	.3	.1							4.1	7.0
WSW	.9	1.3	.7									2.9	4.8
W	.7	.4	.2									1.3	4.5
WNW	.9	.9	.1	.1								2.0	4.4
NW	.6	.4	.2									1.2	4.5
NNW	.6	.7	.9	.2								2.3	6.0
VARBL													
CALM												5.3	
	20.1	34.7	31.1	8.3	.4							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12526 STATION ELLINGTON AFB TX 69.72-80 YEARS SEP MONTH
1200-1400 HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	3.0	3.3	1.8	.2	.1						9.8	7.8
NNE	1.2	1.6	3.2	1.0								7.0	7.2
NE	1.1	3.4	2.6	.7								7.8	6.5
ENE	1.2	3.7	2.0	.6	.1							6.9	6.2
E	2.2	6.3	6.0	1.4								16.0	6.7
ESE	1.4	3.2	5.0	1.0								10.7	6.7
SE	.9	3.0	2.7	.4								7.0	6.3
SSE	.4	2.1	2.2	1.6								6.3	7.9
S	.7	2.2	3.6	2.6								9.0	8.3
SSW	.7	.7	1.3	.4								3.1	7.1
SW	1.0	1.8	1.2	.1								4.1	5.9
WSW	1.0	.6	.2	.2								2.0	4.9
W	.3	.7	.1									1.1	4.4
WNW	.1	.4	.1	.1								.8	6.9
NW	.4	.7	.3	.1								1.6	5.9
NNW	.1	1.3	.4	.2								2.1	6.7
VARBL													
CALM												4.8	
	14.2	34.0	34.3	12.2	.3	.1						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12926 STATION ELLINGTON AFB TX STATION NAME 69.72-80 YEARS SEP MONTH
1500-1700 HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.3	4.7	1.8	.1	.2						10.7	8.0
NNE	1.1	1.7	3.7	.7								7.1	7.2
NE	.8	1.1	1.7	.2	.1							3.9	7.0
ENE	1.2	1.1	.8	.1								3.2	5.1
E	1.9	6.2	5.8	.7								14.6	6.3
ESE	2.3	6.2	7.1	1.0								16.7	6.5
SE	1.3	4.7	4.4	.1	.1							10.0	6.4
SSE	1.1	1.8	4.6	.2								7.7	7.0
S	.9	2.1	5.7	2.7								11.3	8.4
SSW	.2	.4	1.1	.2								2.0	7.4
SW	.2	.8	.4	.1								1.6	6.1
WSW	.7	.8	.3									1.8	4.6
W	.3	.1	.2									.7	4.7
WNW	.2	.1	.6	.2	.1							1.2	8.1
NW	.2	.1	.3	.4								1.1	8.9
NNW		.4	.7	.1								1.2	7.5
VARBL													
CALM												5.3	
	14.1	29.3	42.0	8.6	.4	.2						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12906 ELLINGTON AFB TX 69.72-85 SEE
STATION STATION NAME YEARS MONTH
1800-2000
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.3	3.8	2.1	1.2	.1	.1						11.7	5.7
NNE	1.7	1.0	.7	.2								3.6	4.8
NE	1.9	1.3	.6	.3								4.1	4.7
ENE	1.9	.6	.1	.2	.1							2.9	4.2
E	2.0	3.2	1.0	.1								6.3	4.6
ESE	4.3	3.3	1.9									9.6	4.3
SE	4.3	3.7	.8	.1			.1					9.0	4.2
SSE	5.7	4.2	1.3			.1						11.3	4.0
S	5.0	5.3	1.7	.1								13.0	4.0
SSW	.7	.8	.3									1.8	4.9
SW	.1	.2	.1									.4	4.6
WSW	.4	.2		.1								.8	4.0
W	.2	.1	.1									.4	4.3
WNW	.1											.1	2.0
NW		.3		.3								.7	5.8
NNW	.1	.4	.4	.1								1.1	6.7
VARBL													
CALM												23.2	
	33.7	28.6	11.1	2.9	.2	.2	.1					100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ELLINGTON AFB TX STATION NAME ELLINGTON AFB TX YEARS 69, 72-80 MONTH SEP
CLASS ALL WEATHER
CONDITION
HOURS (L.S.T.) 2100-2300

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	3.2	1.1	.4								8.0	4.8
NNE	2.3	2.7	.8	.2	.1							5.8	5.1
NE	2.1	1.2	.7	.1	.1							4.2	4.8
ENE	1.4	1.1	.2	.1								2.9	4.4
E	1.7	1.3	.6	.4		.1						3.8	5.5
ESE	2.3	.9	.6									3.4	3.7
SE	2.6	1.8										4.3	3.1
SSE	3.8	1.3	.3									5.4	3.2
S	4.9	.7	.4	.1								5.1	2.7
SSW	1.2	.4										1.7	2.7
SW	.7	.3	.1									1.1	3.6
WSW	1.2	.2										1.4	2.7
W	.2	.3		.1								.7	5.2
WNW	.6	.2		.2								1.0	4.6
NW	.1	.2	.1	.1								.6	6.6
NNW	.7	.3	.1	.1								1.2	4.7
VARBL													
CALM												48.3	
	28.3	16.0	5.0	2.0	.2	.1						100.0	2.1

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12906
STATION

ELLINGTON AFB TX
STATION NAME

69.72-80
YEARS

SEP
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.7	3.3	2.1	1.0	.1	.1						10.2	5.7
NNE	2.5	2.8	2.0	.5	.2							7.9	5.5
NE	1.9	2.9	1.7	.3	.0							6.9	5.5
ENE	1.3	1.8	1.2	.2	.2							4.6	5.5
E	1.7	2.8	2.5	.5	.0	.0						7.5	6.0
ESE	1.9	2.1	2.1	.3		.0						6.2	5.7
SE	1.5	2.7	1.2	.1	.8		.0					5.3	5.0
SSE	2.1	1.7	1.5	.4		.0						5.7	5.4
S	2.3	2.1	1.8	.9	.2							7.1	5.9
SSW	.5	.6	.5	.1								1.7	5.9
SW	.6	.5	.5	.1	.2							1.7	5.7
WSW	.6	.5	.2	.1								1.3	4.5
W	.4	.3	.1	.0								.9	4.3
WNW	.4	.3	.1	.1	.0							1.0	5.0
NW	.6	.4	.2	.1								1.3	5.1
NNW	.5	.6	.4	.2								1.6	5.8
VARBL													
CALM												28.9	
	22.7	24.8	18.2	5.0	.3	.1	.0					100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12966 STATION ELLINGTON AFB TX STATION NAME 69.72-80 YEARS OCT MONTH
ALL WEATHER CLASS 0000-0200 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.9	3.4	1.9	1.9								11.2	5.7
NNE	2.6	2.0	1.5	.3								6.5	4.9
NE	1.9	1.4	2.0									5.3	5.0
ENE	.9	1.7	.8									3.3	4.9
E	.6	1.4	1.2	.3								3.3	6.2
ESE	1.7	.9	.3									2.9	3.5
SE	1.3	.9	1.1	.3								3.5	5.7
SSE	1.1	1.1	1.8	.3	.1							4.4	6.6
S	2.0	1.4	1.0	.2								4.6	4.7
SSW	.6	.2	.1									1.0	3.2
SW	.5	.2	.2									1.0	4.0
WSW	1.0	.2	.2									1.4	3.0
W	.4	.3	.2									1.0	4.0
WNW	.4	.2	.3	.1								1.1	6.0
NW	.8	.2	.1									1.1	3.3
NNW	.8	1.1	.6	.2								2.7	5.9
VARBL													
CALM												45.8	
	20.4	16.7	13.2	3.8	.1							100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12506 STATION ELLINGTON AFB TX 69.72-80 YEARS OCT MONTH
ALL WEATHER CLASS 0300-0500 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.7	2.8	3.1	2.2								14.7	5.5
NNE	3.9	1.9	1.7	.5								8.1	5.0
NE	2.9	2.3	2.0	.3								7.5	5.0
ENE	.9	1.0	.9	.3								3.0	5.9
E	.5	.6	.5	.2								1.9	5.9
ESE	.8	.3	.2									1.3	4.2
SE	1.2	1.2	.9	.2								3.4	5.4
SSE	.8	.5	1.0	.4								2.7	6.5
S	1.2	.9	.8	.6								3.3	6.1
SSW	.1	.5	.1									.8	5.0
SW	.3	.1										.4	2.3
WSW	.2	.3										.5	3.4
W	.8	.6	.2									1.6	3.9
WNW	.9	.2	.1									1.2	3.2
NW	.9	.9	.1									1.8	4.0
NNW	1.1	.8	.3	.1								2.3	4.7
VARBL													
CALM												45.4	
	22.9	14.8	11.9	4.9								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

10716
STATION

ELLINGTON AFB TX
STATION NAME

69.72-80
YEARS

OCT
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.2	3.5	2.8	2.8								13.3	6.5
NNE	4.0	4.3	3.4	.4								12.2	5.2
NE	3.3	4.4	2.6	.6								11.0	5.3
ENE	1.3	1.6	1.0	.4	.1							4.4	6.1
E	.6	1.1	1.2	.1								3.0	5.9
ESE	1.0	1.0	.2	.1								2.3	4.0
SE	1.0	1.5	.6	.3								3.4	5.7
SSE	.6	.6	1.3	.3	.1							3.0	7.6
S	.5	.8	.6	.4								2.4	6.6
SSW	.3	.4	.1									.9	4.4
SW	.2	.2		.1								.5	5.6
WSW	.3	.5										.9	3.8
W	1.0	.3	.3									1.6	4.0
WNW	.6	.4	.2	.1								1.4	4.9
NW	.8	.4	.4									1.6	4.6
NNW	.5	.3	.2	.5								1.6	6.7
VARBL													
CALM												36.6	
	20.3	21.5	15.1	6.3	.2							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 930

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12906
STATION

ELLINGTON AFB TX
STATION NAME

69.72-80
YEARS

OCT
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.2	2.2	2.6	.2							7.6	8.9
NNE	.8	2.4	3.8	2.0								8.9	8.3
NE	2.2	4.0	3.9	.9								10.9	6.5
ENE	1.8	4.6	4.3	1.2	.1							12.1	6.7
E	1.7	3.1	5.6	1.2	.1							11.7	7.0
ESE	.5	2.5	2.7	.4								6.1	6.9
SE	1.3	1.5	1.6	1.4								5.8	7.2
SSE	.6	.5	1.9	3.0	.2	.1						6.5	10.3
S	1.4	.9	2.0	1.8	.4							6.6	8.9
SSW		.5	.9	.8	.2							2.4	10.2
SW	.8	.9	1.0	.4								3.0	6.5
WSW	.4	.6	1.0	.2								2.3	6.4
W	1.1	1.4	1.4									3.9	5.3
WNW	.5	.6	.2	.1								1.5	5.0
NW	.5	.3	.5	.1								1.5	5.7
NNW	.8	.8	.8	.8								3.0	6.9
VARBL													
CALM												6.2	
	15.0	26.8	33.7	16.9	1.3	.1						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12206 STATION ELLINGTON AFB TX 69.72-80 YEARS OCT MONTH
1200-1400 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.4	3.4	3.4								9.7	9.0
NNE	.5	1.3	3.3	.5								5.7	7.7
NE	.6	2.2	2.8	.4								6.0	6.9
ENE	1.6	2.7	2.7	.2								7.2	5.9
E	1.5	5.5	7.5	2.7								17.2	7.5
ESE	.9	3.8	3.6	1.2								9.4	7.4
SE	1.7	1.4	2.6	.8		.1						5.8	7.5
SSE	.5	1.3	2.2	3.3	.5							7.9	10.4
S	1.4	1.5	2.9	3.1	.9	.1	.1					10.0	10.1
SSW	.2	.5	.6	.6								2.0	8.2
SW	1.3	.5	.1	.5								2.5	5.2
WSW	.3	.6	.5	.2								1.7	6.6
W	.4	.6	1.0									2.0	5.8
WNW	.3	.4	.4									1.2	5.6
NW	.3	1.1	1.2	.1								2.7	6.8
NNW	1.2	1.4	1.5	1.1	.2							5.4	7.4
VARBL													
CALM												3.6	
	12.6	27.2	36.4	18.3	1.6	.2	.1					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12506 STATION ELLINGTON AFB TX 69.72-82 YEARS OCT MONTH 1500-1700 HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	4.2	4.5	2.7	.1							13.5	7.5
NNE	.8	1.7	2.0	.3	.2							5.1	7.1
NE	.8	1.9	1.2	.1								4.0	5.8
ENE	.8	1.1	.8	.1								2.7	5.2
E	1.8	4.4	5.2	1.4								12.8	6.6
ESE	2.4	5.5	6.9	1.9	.2							16.9	7.1
SE	2.7	4.7	5.1	2.2	.2							13.4	7.4
SSE	.3	2.5	4.2	3.0	.2	.2						10.4	9.4
S	.4	1.0	2.2	2.7	.1	.1						6.5	10.0
SSW	.2	.1	.6	.5	.1							1.6	9.7
SW	.1	.4	.5	.2								1.3	7.8
WSW	.2	.6	.2	.2								1.3	6.1
W		.9	.5	.1								1.5	6.5
WNW	.4	.3	.2									1.0	4.3
NW	.1	.3	.2									.6	6.3
NNW	.2	1.2	1.8	.8								4.0	8.2
VARBL													
CALM												3.4	
	12.6	30.1	36.1	16.2	1.2	.3						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

10-16 STATION ELLINGTON AFB TX 69.72-80 YEARS OCT MONTH
1800-2000 HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.2	3.9	1.9	1.4	.1							11.3	5.6
NNE	1.2	1.7	.6	.2	.1							3.7	5.5
NE	.9	1.2	.6	.2								2.9	5.7
ENE	1.2	.6	.3									1.9	4.3
E	2.8	1.6	1.9	.2								6.6	5.0
ESE	4.6	3.1	.8	.6								9.1	4.2
SE	4.5	4.6	2.6	.4								12.2	4.7
SSE	5.5	3.8	2.0	.6								11.9	4.6
S	4.6	3.1	1.5	.1								9.4	4.3
SSW	.4	.6	.4									1.5	4.9
SW	.1	.5	.1									.8	4.9
WSW	.2	.3										.5	3.4
W	.3	.3	.1									.8	4.1
WNW	.1	.3	.4									.9	6.8
NW	.2	.1	.1									.4	4.2
NNW	.5	1.1	1.2	.6	.2							3.7	7.4
VARBL													
CALM												22.6	
	30.8	27.0	14.7	4.5	.4							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12926 STATION ELLINGTON AFB TX 69.72-80. YEARS OCT MONTH
2100-2300 HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	3.1	3.3	.8	.1							9.6	6.1
NNE	1.4	1.7	2.7	.5								6.3	6.3
NE	2.2	2.3	.9	.2								5.5	4.6
ENE	1.3	1.2	.2	.2								2.9	4.1
E	2.4	1.2	.8	.1								4.4	4.1
ESE	2.2	1.2	.9	.1								4.3	4.4
SE	2.7	1.5	1.5	.8	.1							6.6	5.7
SSE	1.9	1.1	1.7	.8								5.5	6.3
S	4.4	1.1	1.1									6.6	3.6
SSW	1.0	.2	.6									1.8	4.7
SW	.5	.5	.1									1.2	3.8
WSW	1.1	.4										1.5	3.6
W	.2	.2	.1									.5	4.8
WNW	.4		.1									.5	3.4
NW	.2	.1	.4	.1								.9	6.9
NNW	.5	.6	.4	.2	.1							1.9	6.7
VARBL													
CALM												40.0	
	24.6	16.5	14.8	3.8	.3							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12986 STATION ELLINGTON AFB TX 69.72-80 YEARS OCT MONTH
ALL WEATHER CLASS ALL HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.7	3.2	2.9	2.2	.1							11.4	6.7
NNE	1.9	2.1	2.4	.6	.5							7.0	6.2
NE	1.8	2.4	2.0	.3								6.6	5.6
ENE	1.2	1.8	1.4	.3	.0							4.7	5.8
E	1.5	2.4	3.0	.8	.0							7.6	6.5
ESE	1.7	2.3	1.9	.6	.0							6.5	6.0
SE	1.9	2.1	2.0	.8	.0	.0						6.8	6.3
SSE	1.4	1.4	2.7	1.5	.1	.0						6.5	7.8
S	2.0	1.3	1.5	1.1	.2	.0	.0					6.2	7.0
SSW	.4	.4	.4	.2	.0							1.5	7.0
SW	.5	.4	.3	.2								1.3	5.5
WSW	.5	.5	.2	.1								1.3	4.9
W	.5	.6	.5	.0								1.6	5.0
WNW	.5	.3	.3	.0								1.1	5.0
NW	.5	.4	.4	.0								1.3	5.3
NNW	.7	.9	.9	.5	.1							3.1	6.9
VARBL													
CALM												25.5	
	19.9	22.6	22.0	9.3	.6	.1	.0					100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 7438

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12906
STATION

ELLINGTON AFB TX
STATION NAME

69.72-80
YEARS

NOV
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	5.8	3.7	3.3	.1							15.4	7.1
NNE	1.4	3.3	2.2	.3	.1							7.4	6.1
NE	.6	2.7	1.6									4.6	5.6
ENE	1.0	.9	.7	.3								2.8	5.6
E	1.4	1.3	2.4	.2								5.4	6.2
ESE	1.6	1.9	.3									3.8	3.9
SE	.4	1.2	.8	.4								2.9	6.5
SSE	.9	1.9	2.1	.4								5.3	6.6
S	1.8	1.6	1.7	.7								5.7	6.0
SSW	.3	.4	.3									1.1	4.8
SW	.7	.6										1.2	3.2
WSW	.7	.2	.2									1.1	4.0
W	.7	.9	.4	.1								2.1	5.1
WNW	.6	1.0										1.6	3.9
NW	1.0	.7	.7	.2	.1							2.7	6.2
NNW	.7	.7	2.3	1.6	.2	.1						5.6	9.6
VARBL													
CALM												31.1	
	16.2	24.9	19.4	7.7	.6	.1						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATC WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

10976 STATION ELLINGTON AFB TX STATION NAME 69.72-80 YEARS NCV MONTH 0300-0500 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.4	4.3	5.0	3.8	.2							16.5	7.6
NNE	1.3	4.4	1.9	.7								8.3	5.9
NE	1.7	1.8	1.8	.6								5.8	5.9
ENE	1.3	1.1	1.0	.2								3.7	5.4
E	.8	1.7	1.3	.3								4.1	6.1
ESE	.8	.3	.1									1.7	3.7
SE	1.0	1.8	.9	.2								3.9	5.4
SSE	1.6	1.0	1.1	.6								4.2	5.7
S	1.7	.9	1.8	.2								4.6	5.6
SSW	.7	.2	.6	.2								1.3	7.1
SW	.3	.3	.1									.8	4.7
WSW	.4	.9										1.2	4.0
W	1.1	1.7	.2									3.0	4.2
WNW	.1	.7	.4	.1								1.3	5.9
NW	1.1	.6	.7	.1								2.4	5.2
NNW	.9	1.0	2.6	1.9	.1							6.5	8.6
VARBL													
CALM												30.4	
	17.9	23.0	19.5	8.9	.3							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12946 STATION ELLINGTON AFB TX 69.72-80 YEARS NOV MONTH
ALL WEATHER CLASS 0600-0800 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	3.7	4.8	4.7								16.3	7.9
NNE	2.6	4.7	2.3	1.4	.1							10.4	6.2
NE	1.2	3.9	2.7	.8	.1							8.6	6.5
ENE	.7	1.4	.6	.1								2.8	5.2
E	1.4	1.9	1.8	.2								5.2	5.7
ESE	1.0	1.3	.6									2.9	4.4
SE	1.0	1.2	.3	.3								2.9	5.3
SSE	1.3	.8	1.1	.3								3.6	6.1
S	1.7	1.0	1.8	.1								4.6	5.6
SSW	.1	.4	.8	.2								1.6	7.2
SW	.2	.4	.4									1.1	5.7
WSW	.2	.9	.1									1.2	4.6
W	1.1	1.4	.4		.1							3.1	5.0
WNW	.4	.6		.3	.1							1.4	6.9
NW	.8	.6	.4	.2	.1	.1						2.2	6.9
NNW	.3	.8	1.0	2.6								4.7	10.1
VARBL													
CALM												27.4	
	17.3	24.1	19.1	11.3	.6	.1						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13926 STATION ELLINGTON AFB TX 69.72-80 YEARS NOV MONTH 1900-1100 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.4	4.9	5.9	.7	.1						15.3	9.7
NNE	.3	1.9	3.4	3.3	.6							10.0	9.3
NE	1.3	2.6	3.7	1.9								9.1	7.7
ENE	.8	1.3	3.7	.9	.2							6.2	8.2
E	.7	3.6	3.6	1.2								9.0	7.5
ESE	.6	1.4	1.7	.9								4.6	7.6
SE	.1	1.9	1.8	1.2	.2							5.1	9.0
SSE	.7	.4	1.4	2.0	.2							4.8	9.6
S	.5	1.2	2.6	3.1	.3							7.8	9.7
SSW	.9	.6	1.4	1.6								4.3	3.4
SW	.6	.3	1.5	.7								2.6	8.0
WSW	.2	1.0		.3								1.6	6.9
W	.6	1.1	1.3	.3								3.3	6.6
WNW	.3	.7	.4	.6								2.4	6.5
NW	.3	1.0	.4	1.1	.2							3.1	9.0
NNW	.3	.3	1.6	1.7	.6							4.9	10.4
VARBL													
CALM												5.9	
	10.0	22.1	32.2	26.7	3.0	.1						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12716
STATION

ELLINGTON AFB TX
STATION NAME

69.72-80
YEARS

NOV
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.7	6.1	6.4	.7							16.3	9.9
NNE	1.7	2.1	3.2	1.8	.1							8.0	7.8
NE	.8	.6	2.0	1.0	.1							4.4	8.2
ENE	.3	1.6	2.2	1.2								5.3	8.3
E	.6	2.3	4.7	2.9								10.4	8.9
ESE	.3	1.9	2.7	1.7								6.6	8.6
SE	.3	1.1	1.0	1.2	.3	.1						4.1	9.6
SSE	.3	.8	1.9	2.3	.2	.1						5.7	10.4
S	.3	1.1	2.2	5.0	.8	.2						9.7	11.5
SSW		.6	1.3	1.4	.1							3.4	10.5
SW		1.2	1.1	.9	.1							3.1	9.2
WSW	.2	.3	1.0	.3								1.9	8.1
W	.4	.9	1.3	.6								3.2	7.9
WNW	.2	.7	.6	.8								2.2	8.7
NW	.7	.8	1.3	1.1	.2							4.1	8.9
NNW	.6	1.2	2.0	2.9	1.2							7.7	10.7
VARBL													
CALM												3.8	
	7.6	18.6	34.4	31.6	3.7	.4						100.0	9.1

TOTAL NUMBER OF OBSERVATIONS

920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12926 STATION ELLINGTON AFB TX 69.72-80 YEARS NOV MONTH
1500-1700 HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.1	7.4	5.0	.4							17.7	8.9
NNE	.3	1.7	2.8	1.8								6.6	8.6
NE		.8	1.0	.3								2.1	7.5
ENE	.9	2.1	1.8	.3								5.1	6.5
E	1.7	3.7	3.0	2.1								10.4	7.3
ESE	1.4	2.9	4.4	1.6								10.2	7.0
SE	.7	2.3	2.0	2.3	.2							7.6	8.6
SSE	1.1	1.3	3.2	2.3	.1							8.1	8.7
S	.3	.4	2.9	3.4	.1							7.2	10.4
SSW	.2	.1	1.4	1.8								3.6	10.1
SW	.2	.3	.9	.8								2.2	9.4
WSW	.2	.4	.2	.1								1.0	6.2
W	.3	.4	.7	.3								1.8	7.2
WNW	.2	.4	1.0	.2								1.9	7.6
NW	.2	1.2	1.3	1.7								4.4	9.3
NNW	.3	.4	2.6	3.0	.8							7.1	11.4
VARBL													
CALM												3.0	
	9.9	21.7	36.7	27.1	1.7							100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12406 STATION ELLINGTON AFB TX STATION NAME 69.72-80 YEARS NOV MONTH 1800-2000 HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	5.8	5.2	3.7	.7							17.9	7.7
NNE	.8	2.5	1.8	1.3								6.4	7.1
NE	.7	1.7	.9									2.6	5.2
ENE	.8	1.1	.8	.3								3.0	6.0
E	2.1	3.0	2.2	.4								7.8	5.8
ESE	1.8	2.8	1.5	.2								6.2	5.1
SE	3.9	2.7	2.6	.7								9.2	5.3
SSE	2.8	3.1	2.6	.8								9.3	5.6
S	4.5	3.2	1.6									9.3	4.1
SSW	.3	.8	.6									1.7	5.3
SW	.4	.1	.1									.7	3.2
WSW	.2	.2										.4	3.0
W	.6	.6		.1								1.2	4.7
WNW	.2	.8	.1									1.1	4.3
NW	.6	.8	.7	.3								2.3	6.7
NNW	.1	.9	1.9	2.0	.2	.1						5.2	10.8
VARBL													
CALM												15.7	
	22.2	28.7	22.4	9.9	.9	.1						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 896

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

10916 STATION ELLINGTON AFB TX 69.72-80 YEARS NOV MONTH
ALL WEATHER CLASS 2100-2300 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	5.5	3.1	3.6	.4							14.5	7.7
NNE	.3	2.1	2.9	.6		.2						6.6	7.5
NE	.3	2.1	1.0	.3								3.8	6.1
ENE	1.2	1.4	.7	.4								3.8	5.9
E	1.3	1.3	1.8	.6								5.5	6.0
ESE	1.7	1.9	1.2									4.8	4.8
SE	1.2	1.3	1.2	.6								4.3	6.1
SSE	2.0	1.2	3.1	1.0	.1							7.5	7.0
S	4.2	2.8	.7	.2								7.9	4.0
SSW	.7	.8	.4									1.9	4.5
SW	.6	.2	.1	.1								1.0	4.6
WSW	.9	.8	.1									1.8	3.4
W	.6	.4										1.0	3.4
WNW	.6	.2	.1									.9	4.0
NW	.6	.6	.6	.4								2.1	6.8
NNW	.4	1.2	2.3	2.0	.1							6.1	9.3
VARBL													
CALM												26.5	
	19.0	24.4	19.4	9.8	.7	.2						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 897

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

10906
STATION

ELLINGTON AFB TX
STATION NAME

69.72-80
YEARS

NOV
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	4.3	5.0	4.5	.4	.0						16.3	8.3
NNE	1.1	2.8	2.5	1.4	.1	.0						8.0	7.3
NE	.8	1.9	1.8	.6	.0							5.1	6.7
ENE	.9	1.4	1.3	.5	.0							4.1	6.7
E	1.3	2.4	2.6	1.0								7.2	6.9
ESE	1.1	1.8	1.6	.5								5.1	6.2
SE	1.1	1.6	1.3	.9	.1	.0						5.0	7.0
SSE	1.3	1.3	2.1	1.2	.1	.0						6.0	7.6
S	1.9	1.5	1.9	1.6	.2	.0						7.1	7.4
SSW	.3	.5	.9	.7	.0							2.4	8.1
SW	.4	.4	.5	.3	.0							1.6	7.1
WSW	.4	.6	.2	.1								1.3	5.3
W	.7	.9	.6	.2	.0							2.3	5.8
WNW	.4	.6	.3	.3	.0							1.6	6.3
NW	.7	.8	.8	.7	.1	.0						2.9	7.7
NNW	.5	.9	2.0	2.2	.4	.0						6.0	10.1
VARBL													
CALM												18.0	
	15.0	23.4	25.4	16.6	1.4	.1						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 7192

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1206 STATION ELLINGTON AFB TX 68-69.72-79 YEARS DEC
MONTH
0000-0200
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	4.5	4.8	2.2								13.9	7.0
NNE	.9	1.8	1.0	.2								3.9	5.9
NE	1.1	.6	.3	.4								2.5	5.5
ENE	1.6	1.2	1.1	.2								4.1	5.1
E	.9	1.6	1.5	.2								4.2	5.9
ESE	.9	1.0	.8									2.6	5.0
SE	.5	1.3	1.6	.4								3.9	6.9
SSE	1.1	1.7	1.4	.8								4.9	6.7
S	3.0	3.3	1.8	.3								8.5	4.9
SSW	.9	.5	.2	.2								1.8	4.9
SW	.6	.4	.4	.1								1.6	5.2
WSW	.9	1.2	.1	.1								2.3	4.4
W	1.4	1.7	.5	.1								3.8	4.7
WNW	.6	.6	.2	.1	.1							1.7	5.8
NW	.6	.8	.9	1.3	.1							3.7	8.4
NNW	.6	1.8	1.8	2.2	.5	.2						7.2	9.6
VARBL													
CALM												29.6	
	18.0	24.2	18.5	8.8	.8	.2						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12-76 STATION ELLINGTON AFB TX 68-69, 72-79 YEARS DEC MONTH
0300-0500 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	4.3	3.5	2.0	.3							12.3	7.2
NNE	1.2	2.3	1.4	.1								4.9	5.6
NE	2.5	1.5	.4	.2								4.6	4.2
ENE	1.4	1.4	.9	.1								3.8	5.3
E	1.3	2.2	1.0	.4								4.8	5.4
ESE	.2	1.1	.8									2.0	6.1
SE	1.0	1.9	1.1	.8								4.7	6.4
SSE	1.2	1.7	1.4	.4								4.7	5.8
S	1.8	1.6	.9	.8								5.1	5.7
SSW	.3	.6	.4									1.4	5.2
SW	.4	.3	.1									.9	3.9
WSW	.6	1.5		.2								2.4	4.7
W	.9	1.6	.3									2.8	4.4
WNW	.3	1.6	.3	.4								2.7	6.0
NW	1.3	.9	1.4	1.1	.2							4.8	7.6
NNW	.9	1.9	2.0	2.4	.3							7.5	8.7
VARBL													
CALM												30.5	
	17.3	26.5	15.9	8.9	.9							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12956 ELLINGTON AFB TX 68-69.72-79 DEC
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
0600-2800
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	4.2	3.8	2.6	.3							13.8	7.2
NNE	.8	2.3	1.2	.3								4.5	5.6
NE	2.3	1.9	1.0	.2								5.4	4.7
ENE	1.4	1.0	1.4	.4								4.2	6.0
E	2.0	2.8	1.5	.3	.1							6.8	5.7
ESE	1.0	.9	.4	.2								2.5	5.1
SE	1.0	1.8	1.3	.6								4.7	6.3
SSE	1.3	1.9	1.4	.8								5.4	6.3
S	2.2	2.0	.8	.9								5.8	5.3
SSW	.3	.4	.4	.1								1.3	5.8
SW	.3	.8	.1									1.2	4.1
WSW	.5	.3	.1									1.0	4.1
W	1.2	1.1	.5	.3								3.1	5.3
WNW	.5	.5	1.0	.4								2.5	6.8
NW	.8	1.2	1.2	1.3	.2							4.6	8.2
NNW	.6	2.7	1.8	2.0	.4							7.6	8.5
VARBL													
CALM												25.7	
	19.0	25.8	17.8	10.5	1.1							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFD WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

10906 STATION ELLINGTON AFB TX 68-69,72-79 YEARS DEC MONTH
ALL WEATHER CLASS 0900-1100 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	3.3	5.1	5.5	.4							15.1	9.5
NNE	.6	2.4	3.2	.6	.1							6.8	7.4
NE	.9	1.1	2.2	1.0								5.1	7.5
ENE	.4	2.6	2.3	.6								5.9	7.1
E	1.5	4.2	4.3	1.2	.2							11.4	7.0
ESE	.1	1.6	2.4	.5								4.6	6.1
SE	.6	1.6	1.8	1.1								5.2	7.7
SSE	.1	1.5	1.5	1.6	.3							5.1	9.3
S	1.2	2.3	3.3	3.3	.9							11.0	9.5
SSW	.2	.9	1.1	.8	.2							3.1	9.0
SW	.2	.6	1.4	.6	.1							3.0	9.1
WSW	.3	.8	1.3	.4								2.8	7.7
W	.5	1.3	.8									2.6	5.7
WNW	.4	.3	.4	.4	.1							1.7	8.3
NW	.4	1.0	1.0	1.0	.5							3.9	9.6
NNW	.4	1.7	2.6	2.6	.4							7.7	9.6
VARBL													
CALM												5.2	
	8.8	27.1	34.3	21.3	3.3							100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1976 ELLINGTON AFB TX 68-69,72-79
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
DEC
MONTH
1200-1400
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	3.9	5.1	4.2	.8							15.1	8.9
NNE	.4	.9	1.7	.6	.3							4.0	8.7
NE	.2	.8	.6	.6								2.3	7.9
ENE	.8	1.2	1.2	1.0	.1							4.2	7.9
E	.2	3.7	4.4	2.0								10.3	7.8
ESE	.2	1.8	3.1	2.0	.1							7.3	8.9
SE	.4	1.7	1.3	.9	.1							3.7	8.6
SSE	.1	.3	.8	2.8	1.1	.1						5.2	13.0
S	.3	1.7	3.0	4.9	1.9	.5						11.7	12.6
SSW	.3	.9	1.9	1.9	.6	.1						5.8	10.9
SW	.1	.2	.9	1.9	.2	.3						3.7	12.4
WSW		.5	1.3	.8								2.6	9.0
W	.1	.3	2.6	.9								3.9	9.0
WNW		.2	.9	.9	.2							2.2	11.3
NW	.2	1.3	2.8	1.1	.4	.1						5.9	9.6
NNW	.9	1.7	2.4	2.6	.8							8.3	9.7
VARBL													
CALM												4.1	
	5.5	19.6	33.9	29.1	6.7	1.2						100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12916 STATION ELLINGTON AFB TX 68-69, 72-79 YEARS DEC MONTH 1500-1700 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	4.6	3.3	4.5	.2							14.3	6.5
NNE	.8	1.2	.4	.5	.2							3.1	7.0
NE	.8	1.2	.9	.3								3.1	6.1
ENE	.6	1.0	1.4	.2	.2							3.4	7.4
E	.8	2.9	3.7	1.2								8.5	7.4
ESE	1.5	3.4	3.5	1.6	.2							10.3	7.3
SE	.2	2.0	1.4	1.1								5.3	7.1
SSE	.2	1.4	2.4	2.6	.4							7.0	10.2
S	.3	1.5	5.8	4.5	.6	.1						12.9	10.3
SSW		.4	1.0	1.7	.2							3.3	11.1
SW		.3	.8	1.5	.1							2.7	11.0
WSW		.8	.3	.4								1.5	7.9
W	.5	.9	1.4	.3								3.1	7.1
WNW	.1	1.2	1.6	.6	.2							3.8	8.5
NW	.2	1.1	1.8	1.1	.1							4.3	8.8
NNW	.8	2.2	2.9	3.3	.8	.1						10.0	9.9
VARBL													
CALM												3.3	
	8.9	26.0	32.6	25.6	3.3	.2						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11570 ELLINGTON AFB TX 68-69.72-79 DEC
STATION STATION NAME YEARS MONTH
1900-2000
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	5.3	3.3	3.3	.3							14.8	7.5
NNE	1.0	1.1	.6	.5								3.2	6.2
NE	.3	1.2	.3	.2								2.0	6.2
ENE	.5	.8	.8	.4								2.5	7.0
E	.6	2.9	2.2	.3	.2							6.2	6.7
ESE	2.3	3.4	1.6	.3								7.6	5.1
SE	2.3	2.5	2.3	.4	.1							8.1	5.5
SSE	2.2	4.2	2.4	.6								9.4	5.8
S	3.1	3.2	2.2	1.1								9.6	5.8
SSW	.4	.8	1.1	.3								2.6	7.0
SW	.6	.5	.3		.1							1.6	5.4
WSW	.5	.6										1.2	3.7
W	.5	1.7	.2		.1							2.6	4.8
WNW	.5	.3	.5	.2	.1							1.7	7.7
NW	.4	1.5	.9	.4								3.2	6.5
NNW	.9	2.7	1.9	1.8	.6	.1						7.4	9.0
VARBL													
CALM												16.2	
	19.4	32.0	20.5	10.1	1.6	.1						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ELLINGTON AFB TX STATION NAME ELLINGTON AFB TX YEARS 65-69, 72-74 DEC
MONTH
CLASS ALL WEATHER 2100-2300
HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	3.7	5.2	2.9	.1							12.3	7.2
NNE	.5	1.3	.4	.4	.1							3.0	6.2
NE	.5	.9	.6	.4								2.6	6.3
ENE	.7	1.4	1.2									2.9	5.7
E	1.2	2.5	1.6	.8								5.2	6.1
ESE	1.7	1.9	.9	.1								4.6	4.9
SE	1.3	1.6	1.9	.2	.1							5.2	6.4
SSE	2.4	2.6	1.9	.9	.1							7.8	6.6
S	2.1	3.9	1.6	1.0								9.6	5.4
SSW	1.7	.3	.5	.2								2.5	5.2
SW	.4	.6	.5									1.8	5.9
WSW	.9	.5	.1									1.5	3.6
W	1.2	1.2	.1									2.5	3.7
WNW	.4	.9	.1	.2								1.6	5.5
NW	.4	.9	.5	.4	.1							2.4	7.4
NNW	.5	1.7	2.4	1.6	.6	.1						7.9	9.6
VARBL													
CALM												23.5	
	12.8	26.3	19.2	9.1	1.2	.1						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 932

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ELLINGTON AFB TX STATION NAME ELLINGTON AFB TX YEARS 68-69, 72-79 MONTH DEC
CLASS ALL WEATHER HOURS (L.S.T.) ALL
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	4.2	4.3	3.4	.3							14.3	7.9
NNE	.8	1.6	1.2	.4	.1							4.2	5.6
NE	1.1	1.1	.8	.4								3.4	5.9
ENE	.9	1.3	1.3	.4	.7							3.9	6.3
E	1.1	2.8	2.5	.8	.1							7.3	6.7
ESE	1.0	1.9	1.7	.6	.7							5.2	6.7
SE	1.1	1.7	1.6	.7	.5							5.1	6.7
SSE	1.1	1.9	1.6	1.3	.2	.1						5.2	7.7
S	1.2	2.4	2.4	2.1	.4	.1						9.3	8.0
SSW	.4	.7	.8	.7	.1	.0						2.7	6.4
SW	.3	.5	.6	.5	.1	.0						2.1	5.4
WSW	.5	.8	.4	.2								1.9	5.7
W	.8	1.2	.8	.2	.0							3.5	5.7
WNW	.4	.7	.6	.4	.1							2.2	7.6
NW	.6	1.1	1.3	1.0	.2	.0						4.1	6.4
NNW	.7	2.0	2.2	2.3	.6	.1						7.8	9.4
VARBL													
CALM												17.3	
	14.6	25.9	24.2	15.4	2.4	.2						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

10506
STATION

ELLINGTON AFB TX
STATION NAME

68-70, 72-80
YEARS

ALL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.6	2.8	2.3	.2	.7						9.9	7.7
NNE	1.1	1.5	1.5	.6	.0	.7						4.8	6.6
NE	1.1	1.5	1.2	.3	.0	.0						4.2	5.9
ENE	.9	1.3	1.0	.3	.0	.0						3.6	6.2
E	1.2	2.1	2.4	.9	.1	.0						6.7	7.0
ESE	1.1	1.9	2.1	.9	.1	.0	.0	.0				6.0	7.2
SE	1.4	1.7	1.9	.9	.1	.0	.0					6.2	6.9
SSE	1.9	2.2	2.8	1.9	.2	.0						9.0	7.6
S	2.6	2.9	3.5	2.4	.3	.0	.0					11.8	7.5
SSW	.7	.9	.9	.5	.0	.0						3.1	6.9
SW	.7	.9	.6	.2	.7	.0						2.4	6.0
WSW	.7	.8	.4	.1	.0	.0						2.1	5.3
W	.7	.9	.6	.2	.0	.0	.0					2.4	5.8
WNW	.4	.5	.4	.2	.0	.0	.0					1.6	6.7
NW	.5	.5	.6	.5	.1	.0	.0					2.2	3.1
NNW	.5	.8	1.0	1.2	.3	.0	.0					3.8	9.4
VARBL													
CALM												20.4	
	17.4	23.2	23.6	13.6	1.6	.2	.0	.0				100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 87622

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12606 STATION ELLINGTON AFB TX 68-70, 72-80 YEARS ALL MONTH
INSTRUMENT CLASS CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE, ALL HOURS (L.S.T.)
CONDITION AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.1	4.9	3.8	.5	.0						13.9	5.7
NNE	1.0	2.2	2.8	1.3	.1	.0						7.4	7.5
NE	1.1	2.2	2.0	.7	.0							5.9	6.7
ENE	.7	1.8	2.0	.9	.1	.0						5.5	7.6
E	.9	2.4	3.4	1.9	.3	.0						8.9	8.3
ESE	.6	1.1	2.3	1.6	.2	.1	.0	.0				5.8	9.2
SE	.5	1.0	2.0	1.6	.3	.0						5.4	9.3
SSE	.6	1.5	3.6	3.2	.4	.1						9.4	9.8
S	.8	2.7	4.8	3.4	.4	.1	.0					11.5	9.3
SSW	.3	.6	.9	.5	.0	.0						2.4	7.9
SW	.3	.6	.4	.2	.0							1.6	6.6
WSW	.2	.7	.4	.2	.0							1.5	6.4
W	.3	.6	.6	.2	.0							1.8	6.7
WNW	.3	.4	.4	.3	.1							1.4	7.9
NW	.3	.6	.8	.5	.1	.0						2.3	8.5
NNW	.4	.9	1.8	1.8	.5	.0						5.3	10.3
VARBL													
CALM												9.9	
	9.9	21.5	33.1	22.0	3.1	.3	.0	.0				100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 11392

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{5}{16}$	$\geq \frac{1}{4}$	≥ 0	
NO CEILING																
1800																
1500					91.0											92.6
1200																
1000																
900																
800																
700																
600																
500										97.4						98.1
400																
300																
200																
100																
0					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility ≥ 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

10906

ELLINGTON AFB TX

69-70,73-80

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1000-0200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	31.2	34.9	35.8	36.3	37.3	37.4	37.5	37.8	37.8	38.1	38.1	38.1	38.2	38.3	38.3	39.7
≥ 20000	32.8	36.9	37.7	38.4	39.4	39.5	39.6	39.9	39.9	40.1	40.2	40.2	40.3	40.4	40.4	41.8
≥ 18000	32.8	36.9	37.7	38.4	39.4	39.5	39.6	39.9	39.9	40.1	40.2	40.2	40.3	40.4	40.4	41.8
≥ 16000	32.8	36.9	37.7	38.4	39.4	39.5	39.6	39.9	39.9	40.1	40.2	40.2	40.3	40.4	40.4	41.8
≥ 14000	33.0	37.1	38.0	38.6	39.6	39.7	39.8	40.1	40.1	40.3	40.4	40.4	40.5	40.6	40.6	42.0
≥ 12000	33.9	38.0	38.8	39.5	40.4	40.5	40.6	41.0	41.0	41.2	41.3	41.3	41.4	41.5	41.5	42.9
≥ 10000	34.8	39.1	40.0	40.6	41.6	41.7	41.8	42.2	42.2	42.4	42.5	42.5	42.6	42.7	42.7	44.1
≥ 9000	35.1	39.5	40.3	41.0	41.9	42.0	42.2	42.5	42.5	42.7	42.8	42.8	42.9	43.0	43.0	44.4
≥ 8000	36.3	41.6	42.6	43.2	44.2	44.3	44.4	44.7	44.7	44.9	45.1	45.1	45.2	45.3	45.3	46.7
≥ 7000	38.1	44.8	43.9	44.7	45.7	45.8	45.9	46.2	46.2	46.5	46.6	46.6	46.7	46.8	46.8	48.2
≥ 6000	39.2	44.8	5.9	46.8	47.7	47.8	48.0	48.3	48.3	48.5	48.6	48.6	48.7	48.8	48.8	50.2
≥ 5000	41.3	46.5	47.5	48.4	49.4	49.5	49.6	49.9	49.9	50.1	50.2	50.2	50.3	50.4	50.4	51.8
≥ 4500	42.0	47.2	48.3	49.1	50.1	50.2	50.3	50.6	50.6	50.9	51.0	51.0	51.1	51.2	51.2	52.6
≥ 4000	43.4	49.7	50.8	51.6	52.6	52.7	52.8	53.1	53.1	53.3	53.4	53.4	53.5	53.7	53.7	55.2
≥ 3500	44.3	50.8	51.9	52.8	53.8	53.9	54.0	54.3	54.3	54.5	54.6	54.6	54.7	54.8	54.8	56.2
≥ 3000	45.8	52.6	53.7	54.5	55.5	55.6	55.7	56.0	56.0	56.2	56.3	56.3	56.5	56.6	56.7	58.2
≥ 2500	46.9	54.3	55.4	56.3	57.4	57.5	57.6	58.0	58.0	58.2	58.3	58.3	58.4	58.5	58.6	60.4
≥ 2000	49.6	58.3	59.5	60.9	61.9	62.0	62.2	62.5	62.5	62.7	62.8	62.8	62.9	63.0	63.1	64.9
≥ 1800	50.8	60.1	61.3	62.7	63.8	63.9	64.0	64.3	64.3	64.5	64.6	64.6	64.7	64.8	64.9	66.8
≥ 1500	52.9	63.2	64.4	65.8	67.0	67.2	67.3	67.6	67.6	67.8	68.0	68.0	68.1	68.2	68.4	70.2
≥ 1200	54.0	64.9	66.2	67.7	69.1	69.4	69.5	69.8	69.8	70.0	70.1	70.1	70.2	70.3	70.5	72.4
≥ 1000	54.7	66.9	68.3	69.9	71.3	71.5	71.6	71.9	71.9	72.2	72.3	72.3	72.4	72.5	72.7	74.5
≥ 900	55.2	67.8	69.2	70.9	72.3	72.5	72.6	73.1	73.1	73.3	73.4	73.4	73.5	73.7	73.9	75.7
≥ 800	55.8	69.8	71.2	72.9	74.7	74.9	75.1	75.6	75.6	75.8	75.9	75.9	76.0	76.1	76.3	78.2
≥ 700	56.1	71.8	73.3	75.2	77.1	77.3	77.4	78.0	78.0	78.2	78.3	78.4	78.5	78.6	78.8	80.6
≥ 600	56.2	73.5	75.1	76.9	79.0	79.2	79.4	79.9	79.9	80.1	80.2	80.3	80.4	80.6	80.9	82.7
≥ 500	56.6	75.3	77.2	80.0	82.6	82.8	83.2	83.8	83.8	84.0	84.1	84.2	84.3	84.5	84.7	86.6
≥ 400	56.8	76.6	78.7	81.9	85.1	85.4	86.1	86.7	86.7	87.0	87.1	87.2	87.3	87.5	87.7	89.6
≥ 300	56.8	76.8	79.2	83.1	86.3	86.9	87.8	88.5	88.6	89.4	89.5	89.9	90.1	90.3	90.6	92.6
≥ 200	56.8	76.9	79.6	83.5	86.9	87.5	88.8	89.6	89.8	91.0	91.1	91.6	92.2	92.6	93.5	96.0
≥ 100	56.8	77.0	79.7	83.7	87.0	87.6	88.9	89.7	89.9	91.1	91.2	91.7	92.5	93.0	94.6	98.3
≥ 0	56.8	77.0	79.7	83.7	87.0	87.6	88.9	89.8	90.0	91.2	91.3	91.9	92.7	93.2	95.1	100.0

TOTAL NUMBER OF OBSERVATIONS 937

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69-70,73-80

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	27.3	30.2	30.8	31.1	31.8	32.0	32.2	32.4	32.4	32.6	32.6	32.6	32.6	32.8	33.1	35.1
≥ 20000	28.0	31.0	31.5	31.9	32.8	33.0	33.1	33.3	33.3	33.5	33.5	33.5	33.5	33.8	34.1	36.1
≥ 18000	28.0	31.0	31.5	31.9	32.8	33.0	33.1	33.3	33.3	33.5	33.5	33.5	33.5	33.8	34.1	36.1
≥ 16000	28.0	31.0	31.5	31.9	32.8	33.0	33.1	33.3	33.3	33.5	33.5	33.5	33.5	33.8	34.1	36.1
≥ 14000	28.0	31.1	31.6	32.0	32.9	33.1	33.2	33.4	33.4	33.7	33.7	33.7	33.7	33.9	34.2	36.2
≥ 12000	28.8	31.9	32.5	32.9	33.8	34.0	34.1	34.3	34.3	34.5	34.5	34.5	34.5	34.7	35.1	37.1
≥ 10000	29.7	32.9	33.4	33.9	34.7	34.9	35.2	35.4	35.4	35.6	35.6	35.6	35.6	35.8	36.1	38.2
≥ 9000	29.9	33.2	33.8	34.2	35.1	35.3	35.5	35.7	35.7	35.9	35.9	35.9	35.9	36.1	36.5	38.5
≥ 8000	30.9	34.5	35.1	35.5	36.3	36.6	36.8	37.0	37.0	37.2	37.2	37.2	37.2	37.4	37.7	39.8
≥ 7000	32.8	36.8	37.3	37.7	38.6	38.8	39.0	39.2	39.2	39.5	39.5	39.5	39.5	39.7	40.0	42.0
≥ 6000	34.7	38.9	39.5	40.1	41.0	41.2	41.4	41.6	41.6	41.8	41.8	41.8	41.8	42.0	42.4	44.4
≥ 5000	37.1	41.5	42.3	42.9	43.8	44.0	44.2	44.4	44.4	44.6	44.6	44.6	44.6	44.8	45.2	47.3
≥ 4500	37.7	42.4	43.1	43.8	44.7	44.9	45.2	45.4	45.5	45.7	45.7	45.7	45.7	45.9	46.2	48.4
≥ 4000	39.7	45.4	46.2	46.9	47.8	48.1	48.3	48.5	48.6	48.8	48.8	48.8	48.8	49.0	49.4	51.5
≥ 3500	40.6	46.5	47.4	48.1	49.0	49.2	49.5	49.7	49.8	50.0	50.0	50.1	50.1	50.3	50.6	52.8
≥ 3000	42.3	48.5	49.6	50.2	51.2	51.4	51.6	51.8	51.9	52.2	52.2	52.3	52.3	52.5	52.8	54.9
≥ 2500	43.3	50.1	51.2	52.0	53.3	53.7	53.9	54.1	54.2	54.4	54.4	54.5	54.5	54.7	55.1	57.2
≥ 2000	45.5	53.7	54.8	55.7	57.0	57.3	57.5	57.8	58.0	58.2	58.2	58.3	58.3	58.5	58.8	61.0
≥ 1800	46.5	54.7	55.9	57.0	58.4	58.7	58.9	59.2	59.4	59.6	59.6	59.7	59.7	59.9	60.2	62.4
≥ 1500	48.3	57.8	59.0	60.4	61.8	62.2	62.4	62.7	62.8	63.0	63.0	63.1	63.1	63.3	63.7	65.6
≥ 1200	49.7	61.6	62.9	64.6	66.0	66.5	66.7	67.0	67.1	67.3	67.3	67.4	67.4	67.6	68.0	70.1
≥ 1000	51.1	64.9	66.2	68.1	69.5	69.9	70.1	70.4	70.5	70.8	70.8	70.9	70.9	71.1	71.4	73.7
≥ 900	51.7	66.3	67.7	69.7	71.1	71.5	71.8	72.2	72.3	72.5	72.5	72.6	72.6	72.8	73.1	75.4
≥ 800	52.3	68.1	70.1	72.2	73.7	74.1	74.4	74.7	74.8	75.1	75.1	75.2	75.2	75.4	75.7	78.0
≥ 700	52.5	69.5	71.5	73.8	75.3	75.7	76.0	76.3	76.5	76.7	76.7	76.8	76.8	77.0	77.4	79.7
≥ 600	52.5	71.2	73.3	75.8	77.4	77.8	78.2	78.5	78.6	78.8	78.8	78.9	78.9	79.1	79.6	81.8
≥ 500	52.8	72.7	75.6	78.7	80.9	81.3	81.6	82.2	82.4	82.6	82.6	82.7	82.7	83.0	83.4	85.8
≥ 400	52.8	73.7	76.8	80.3	82.8	83.2	83.8	84.5	84.7	84.9	85.1	85.2	85.2	85.5	85.9	88.5
≥ 300	52.8	74.4	77.8	81.8	84.6	85.1	85.8	87.0	87.2	87.6	88.0	88.3	88.3	88.6	89.1	91.8
≥ 200	52.8	74.4	77.8	81.9	84.8	85.4	86.5	87.8	88.2	88.7	89.5	89.9	90.1	90.6	91.3	94.6
≥ 100	52.8	74.4	77.8	81.9	84.8	85.4	86.5	88.0	88.4	89.0	89.9	90.4	91.0	91.6	92.7	97.2
≥ 0	52.8	74.4	77.8	81.9	84.8	85.4	86.5	88.0	88.4	89.0	89.9	90.4	91.0	91.7	93.2	100.0

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC

FORM
JUL 64

0-14-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69-70,73-80

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	22.2	26.0	26.5	27.1	28.1	28.1	28.4	28.5	28.5	28.8	29.1	29.1	29.5	29.8	29.9	31.2
≥ 20000	23.1	27.2	27.7	28.6	29.6	29.6	29.9	30.1	30.1	30.4	30.8	31.0	31.3	31.6	31.7	33.0
≥ 18000	23.1	27.2	27.7	28.6	29.7	29.7	30.0	30.2	30.2	30.5	30.9	31.1	31.4	31.7	31.8	33.1
≥ 16000	23.1	27.2	27.7	28.6	29.7	29.7	30.0	30.2	30.2	30.5	30.9	31.1	31.4	31.7	31.8	33.1
≥ 14000	23.1	27.2	27.7	28.6	29.7	29.7	30.0	30.2	30.2	30.5	30.9	31.1	31.4	31.7	31.8	33.1
≥ 12000	23.8	27.8	28.4	29.2	30.3	30.3	30.6	30.9	30.9	31.2	31.5	31.7	32.0	32.4	32.5	33.8
≥ 10000	24.7	28.8	29.4	30.2	31.3	31.3	31.6	31.8	31.8	32.2	32.5	32.7	33.0	33.3	33.4	34.7
≥ 9000	24.8	28.9	29.5	30.3	31.4	31.4	31.7	31.9	31.9	32.3	32.6	32.8	33.1	33.4	33.5	34.6
≥ 8000	25.8	30.6	31.3	32.2	33.2	33.2	33.5	33.8	33.8	34.1	34.4	34.6	34.9	35.3	35.4	36.7
≥ 7000	26.9	32.3	33.0	33.9	34.9	34.9	35.3	35.5	35.5	35.8	36.1	36.3	36.7	37.0	37.1	38.4
≥ 6000	28.7	34.4	35.2	36.0	37.1	37.1	37.4	37.6	37.6	38.0	38.3	38.5	38.8	39.1	39.2	40.5
≥ 5000	30.9	37.0	38.1	39.0	40.3	40.4	40.8	41.0	41.0	41.3	41.6	41.8	42.2	42.5	42.6	43.9
≥ 4500	31.5	38.0	39.0	40.1	41.4	41.5	41.8	42.0	42.0	42.4	42.7	42.9	43.2	43.5	43.7	44.9
≥ 4000	33.3	40.2	41.5	42.6	43.9	44.0	44.3	44.5	44.5	44.8	45.2	45.4	45.7	46.0	46.3	47.6
≥ 3500	34.8	42.3	43.8	44.8	46.1	46.2	46.6	46.8	46.8	47.3	47.6	47.8	48.2	48.5	48.8	50.1
≥ 3000	36.8	45.5	47.0	48.4	49.8	49.9	50.3	50.6	50.6	51.2	51.5	51.7	52.0	52.4	52.7	54.0
≥ 2500	37.8	46.8	48.3	49.7	51.6	51.8	52.3	52.7	52.7	53.2	53.5	53.8	54.1	54.4	54.7	56.0
≥ 2000	38.9	48.6	50.2	51.6	53.9	54.2	54.7	55.2	55.2	55.7	56.0	56.2	56.6	56.9	57.2	58.5
≥ 1800	39.9	49.8	51.2	52.7	55.2	55.5	56.0	56.5	56.5	57.0	57.3	57.5	57.8	58.2	58.5	59.8
≥ 1500	41.6	52.6	54.3	56.0	58.5	58.8	59.4	60.0	60.0	60.6	61.0	61.2	61.5	61.8	62.2	63.4
≥ 1200	42.3	55.9	58.1	60.1	62.6	63.0	63.7	64.3	64.3	64.9	65.3	65.6	65.9	66.2	66.6	67.8
≥ 1000	42.9	58.2	60.3	62.6	65.1	65.5	66.1	66.9	66.9	67.5	67.8	68.2	68.5	68.8	69.1	70.4
≥ 900	43.3	60.1	62.4	64.8	67.4	67.8	68.5	69.2	69.2	69.9	70.2	70.5	70.9	71.2	71.5	72.8
≥ 800	44.0	62.4	65.1	67.7	70.8	71.2	72.0	72.9	72.9	73.5	73.9	74.2	74.5	74.9	75.3	76.6
≥ 700	44.2	64.0	67.1	69.9	73.0	73.4	74.5	75.4	75.4	76.0	76.5	76.8	77.1	77.5	77.8	79.1
≥ 600	44.5	64.7	68.1	71.1	74.6	75.1	76.5	77.5	77.5	78.2	78.6	78.9	79.4	79.8	80.1	81.4
≥ 500	44.9	66.2	70.1	73.4	77.4	78.1	79.6	80.8	80.8	81.7	82.2	82.5	82.9	83.3	83.7	84.9
≥ 400	44.9	66.9	70.9	75.2	79.7	80.3	82.3	83.5	83.7	84.6	85.2	85.5	85.9	86.3	86.7	88.2
≥ 300	44.9	67.3	71.7	76.2	81.6	82.5	84.8	86.2	86.5	87.7	88.6	89.0	89.7	90.3	90.6	92.4
≥ 200	44.9	67.3	71.7	76.2	81.8	82.9	85.5	86.9	87.1	88.5	89.7	90.1	91.0	91.7	92.2	94.5
≥ 100	44.9	67.3	71.7	76.2	81.8	82.9	85.5	86.9	87.2	88.8	90.0	90.4	91.7	92.7	93.9	98.0
≥ 0	44.9	67.3	71.7	76.2	81.8	82.9	85.5	86.9	87.2	88.8	90.0	90.4	91.7	92.7	94.3	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12976

ELLINGTON AFB TX

69-70,73-80

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	24.2	28.4	29.6	30.1	30.3	30.3	30.5	30.8	30.9	31.0	31.2	31.2	31.2	31.2	31.2	31.6
≥ 20000	26.3	31.7	33.7	33.9	33.9	33.9	34.1	34.4	34.6	34.7	35.1	35.1	35.1	35.1	35.2	35.5
≥ 18000	26.3	31.7	33.0	33.7	34.0	34.0	34.2	34.5	34.7	34.8	35.2	35.2	35.2	35.2	35.3	35.6
IV 16000	26.3	31.7	33.0	33.7	34.0	34.0	34.2	34.5	34.7	34.8	35.2	35.2	35.2	35.2	35.3	35.6
IV 14000	26.3	31.8	33.1	33.8	34.1	34.1	34.3	34.6	34.8	34.9	35.3	35.3	35.3	35.3	35.4	35.7
IV 12000	26.5	31.9	33.2	33.9	34.3	34.3	34.5	34.8	35.1	35.2	35.5	35.5	35.5	35.5	35.6	35.9
IV 10000	28.2	34.2	35.6	36.2	36.7	36.7	36.9	37.2	37.4	37.5	37.8	37.8	37.8	37.8	38.0	38.3
IV 9000	28.5	34.8	36.2	36.9	37.3	37.3	37.5	37.8	38.1	38.2	38.5	38.5	38.5	38.5	38.6	38.9
IV 8000	29.5	36.3	37.7	38.5	38.9	39.1	39.4	39.7	39.9	40.0	40.3	40.3	40.3	40.3	40.4	40.8
IV 7000	30.1	37.6	39.2	40.0	40.4	40.6	40.9	41.2	41.4	41.5	41.8	41.8	41.8	41.8	41.9	42.3
IV 6000	30.5	38.5	40.2	41.2	41.6	41.8	42.0	42.4	42.6	42.7	43.0	43.0	43.0	43.0	43.1	43.4
IV 5000	33.8	42.5	44.2	45.2	45.6	45.8	46.0	46.3	46.6	46.7	47.0	47.0	47.0	47.0	47.1	47.4
IV 4500	34.8	43.9	45.6	46.6	47.0	47.2	47.4	47.7	48.0	48.1	48.4	48.4	48.4	48.4	48.5	48.9
IV 4000	36.5	46.5	48.3	49.4	49.9	50.1	50.3	50.6	50.9	51.0	51.3	51.3	51.3	51.3	51.4	51.8
IV 3500	37.5	48.1	50.0	51.1	51.6	51.8	52.0	52.4	52.6	52.7	53.0	53.0	53.0	53.0	53.1	53.5
IV 3000	38.8	50.0	52.2	53.5	54.2	54.6	54.9	55.3	55.5	55.6	55.9	55.9	55.9	55.9	56.0	56.5
IV 2500	39.4	51.6	53.8	55.2	55.8	56.3	56.8	57.2	57.4	57.5	57.8	57.8	57.8	57.8	58.0	58.4
IV 2000	39.8	52.9	55.6	57.1	57.7	58.3	58.7	59.1	59.4	59.6	59.9	59.9	59.9	59.9	60.0	60.4
IV 1800	40.1	53.3	56.1	57.6	58.3	58.8	59.2	59.9	60.1	60.3	60.6	60.6	60.6	60.6	60.8	61.2
IV 1500	41.5	56.1	59.0	60.6	61.4	61.9	62.5	63.1	63.3	63.5	64.0	64.0	64.0	64.1	64.2	64.7
IV 1200	42.6	60.1	63.1	65.5	66.3	67.1	67.6	68.3	68.5	68.7	69.1	69.1	69.2	69.4	69.6	69.9
IV 1000	43.5	62.7	66.3	69.2	70.6	71.5	72.0	72.9	73.1	73.5	74.0	74.0	74.1	74.2	74.4	74.7
IV 900	43.5	63.5	67.3	70.6	72.3	73.1	73.7	74.6	74.8	75.3	75.8	76.0	76.1	76.2	76.5	76.8
IV 800	43.9	64.6	68.7	72.3	74.1	75.1	75.7	76.8	77.0	77.4	78.0	78.2	78.3	78.4	78.6	78.9
IV 700	43.9	65.8	70.0	74.1	76.8	77.8	79.2	80.4	80.8	81.2	81.7	81.9	82.0	82.2	82.5	82.8
IV 600	43.9	66.6	70.8	74.8	78.4	79.7	81.6	82.8	83.1	83.5	84.1	84.3	84.4	84.5	84.8	85.2
IV 500	43.9	67.1	71.3	75.8	79.8	81.3	83.8	85.6	85.9	86.5	87.2	87.4	87.5	87.6	88.0	88.3
IV 400	43.9	67.6	71.9	76.7	81.1	82.8	86.0	88.5	88.8	89.7	90.9	91.1	91.2	91.3	91.7	92.0
IV 300	43.9	67.6	72.0	77.2	81.9	83.8	87.3	90.0	90.4	91.8	93.4	93.8	93.9	94.1	94.5	94.9
IV 200	43.9	67.6	72.0	77.2	82.0	83.9	87.4	90.2	90.6	92.3	94.1	94.4	95.1	95.6	96.5	97.3
IV 100	43.9	67.6	72.0	77.2	82.0	83.9	87.4	90.2	90.6	92.3	94.1	94.4	95.3	96.0	97.2	99.4
IV 0	43.9	67.6	72.0	77.2	82.0	83.9	87.4	90.2	90.6	92.3	94.1	94.4	95.3	96.0	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69-70,73-80

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	32.9	36.0	36.1	36.5	36.5	36.5	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
≥20000	36.3	41.0	41.2	41.6	41.7	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
IV 18000	36.3	41.0	41.2	41.6	41.7	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
IV 16000	36.3	41.0	41.2	41.6	41.7	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
IV 14000	36.8	41.5	41.7	42.2	42.3	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
IV 12000	37.2	42.2	42.4	42.8	42.9	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
IV 10000	39.5	44.5	44.7	45.2	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
IV 9000	39.7	44.7	44.9	45.4	45.5	45.5	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 8000	40.0	45.2	45.4	45.8	45.9	45.9	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
IV 7000	41.4	47.0	47.2	47.6	47.7	47.7	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
IV 6000	41.9	47.8	48.1	48.5	48.6	48.6	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
IV 5000	44.8	51.3	51.5	51.9	52.3	52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 4500	46.9	53.7	53.9	54.3	54.6	54.6	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 4000	48.7	56.8	57.7	57.4	57.8	57.8	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 3500	49.9	58.5	58.7	59.1	59.6	59.6	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 3000	51.6	60.6	60.9	61.3	61.8	61.8	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 2500	51.8	61.3	61.9	62.4	62.9	63.0	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 2000	53.2	63.9	64.7	65.4	66.2	66.3	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 1800	54.0	64.9	65.8	66.5	67.3	67.4	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 1500	55.8	68.7	69.9	70.8	71.6	71.8	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 1200	56.9	71.7	73.2	74.6	75.6	75.8	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 1000	57.3	73.0	75.2	76.9	78.2	78.5	79.6	79.9	79.9	80.0	80.1	80.1	80.1	80.1	80.1	80.1
IV 900	57.7	74.1	76.7	78.8	80.3	80.6	81.8	82.3	82.3	82.4	82.6	82.6	82.6	82.6	82.6	82.6
IV 800	58.2	75.5	78.3	81.0	82.9	83.3	84.4	84.8	84.8	85.1	85.3	85.3	85.3	85.3	85.3	85.3
IV 700	58.2	76.1	79.6	82.6	85.4	86.1	87.5	88.0	88.1	88.4	88.7	88.7	88.7	88.8	88.8	88.8
IV 600	58.2	76.7	80.2	83.3	86.6	87.8	89.8	90.2	90.3	90.8	91.1	91.1	91.1	91.2	91.2	91.2
IV 500	58.3	77.1	80.6	84.1	88.0	89.1	91.5	92.2	92.3	92.8	93.1	93.1	93.1	93.2	93.2	93.2
IV 400	58.3	77.2	81.0	84.5	88.5	89.8	92.5	93.4	93.7	94.8	95.4	95.5	95.5	95.7	95.7	95.7
IV 300	58.3	77.2	81.0	84.5	88.6	90.1	93.3	94.7	94.9	96.5	97.2	97.5	97.6	98.1	98.2	98.2
IV 200	58.3	77.2	81.0	84.5	88.6	90.1	93.3	94.7	94.9	96.7	97.4	97.8	98.1	98.9	99.5	99.5
IV 100	58.3	77.2	81.0	84.5	88.6	90.1	93.3	94.7	94.9	96.7	97.4	97.8	98.1	99.0	99.6	100.0
IV 0	58.3	77.2	81.0	84.5	88.6	90.1	93.3	94.7	94.9	96.7	97.4	97.8	98.1	99.0	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

10906

ELLINGTON AFB TX

69-70,73-80

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	36.6	40.3	40.6	40.8	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 20000	41.4	45.4	45.8	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
IV 18000	41.5	45.5	45.9	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 16000	41.5	45.5	45.9	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 14000	41.7	46.2	46.7	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
IV 12000	43.8	48.9	48.9	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
IV 10000	45.1	50.0	50.4	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
IV 9000	45.4	50.3	50.8	51.0	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 8000	46.0	51.2	51.6	51.8	52.0	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
IV 7000	46.8	52.2	52.6	52.8	53.0	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
IV 6000	47.3	52.9	53.3	53.5	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
IV 5000	49.8	55.6	56.0	56.2	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 4500	50.9	57.2	57.6	57.8	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 4000	52.8	59.9	60.5	60.8	61.2	61.2	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
IV 3500	53.4	61.2	62.0	62.4	62.8	62.8	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 3000	55.1	63.9	64.9	65.4	65.9	65.9	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 2500	55.9	65.3	66.5	67.0	67.5	67.5	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 2000	57.7	68.0	69.4	70.0	70.9	71.0	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 1800	58.0	68.7	70.2	70.9	71.8	72.0	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 1500	58.8	71.1	73.0	73.8	74.7	74.9	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 1200	60.2	75.9	78.2	79.2	80.3	80.6	81.1	81.2	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 1000	60.8	77.1	79.6	80.9	82.0	82.4	82.9	83.1	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.4
IV 900	60.9	78.2	80.9	82.4	84.1	84.4	85.1	85.3	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.6
IV 800	60.9	78.6	81.5	83.2	84.9	85.3	85.9	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.5
IV 700	61.1	79.2	82.5	84.4	86.3	86.7	87.3	87.5	87.5	87.7	87.7	87.7	87.8	87.8	87.8	88.0
IV 600	61.2	79.8	83.1	85.5	87.8	88.8	89.5	89.9	89.9	90.1	90.1	90.1	90.2	90.2	90.2	90.3
IV 500	61.2	80.0	83.4	86.5	89.1	90.1	91.2	91.7	91.8	92.3	92.3	92.3	92.4	92.4	92.4	92.5
IV 400	61.2	80.1	83.7	87.0	89.9	91.1	93.4	94.4	94.5	95.6	95.8	95.9	96.3	96.3	96.3	96.5
IV 300	61.2	80.1	83.7	87.0	90.4	91.7	94.3	95.7	95.8	97.1	97.4	97.5	98.3	98.4	98.4	98.5
IV 200	61.2	80.1	83.7	87.0	90.4	91.7	94.3	95.9	96.0	97.6	98.1	98.3	99.0	99.1	99.2	99.4
IV 100	61.2	80.1	83.7	87.0	90.4	91.7	94.3	95.9	96.0	97.8	98.3	98.5	99.4	99.5	99.7	100.0
IV 0	61.2	80.1	83.7	87.0	90.4	91.7	94.3	95.9	96.0	97.8	98.3	98.5	99.4	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS

93

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12976

ELLINGTON AFB TX

69-70,73-80

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1970-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES:															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	35.7	38.8	39.6	39.9	40.3	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 20000	40.0	43.3	44.1	44.5	44.9	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 18000	40.0	43.3	44.1	44.5	44.9	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 16000	40.0	43.3	44.1	44.5	44.9	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 14000	40.9	44.2	44.9	45.4	45.8	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 12000	41.4	44.7	45.5	45.9	46.5	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 10000	43.5	47.1	47.8	48.3	48.8	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 9000	43.8	47.4	48.2	48.7	49.2	49.2	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 8000	44.5	48.5	49.2	49.8	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 7000	44.9	49.0	49.8	50.3	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 6000	46.3	50.8	51.6	52.2	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 5000	48.4	53.5	54.4	54.9	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 4500	49.4	54.6	55.5	56.0	56.8	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 4000	50.3	55.6	57.1	57.5	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.5	58.5	58.5
≥ 3500	52.4	58.7	59.8	60.3	61.2	61.2	61.4	61.4	61.4	61.4	61.5	61.5	61.5	61.6	61.6	61.6
≥ 3000	53.5	60.8	61.9	62.6	63.4	63.4	63.7	63.7	63.7	63.7	63.8	63.8	63.8	63.9	63.9	63.9
≥ 2500	54.6	62.9	63.7	64.3	65.3	65.3	65.5	65.5	65.5	65.5	65.6	65.6	65.6	65.7	65.7	65.7
≥ 2000	56.3	65.1	66.5	67.2	68.4	68.4	68.7	68.7	68.7	68.7	68.8	68.8	68.8	68.9	68.9	68.9
≥ 1800	57.1	66.0	67.4	68.2	69.4	69.4	69.7	69.7	69.7	69.8	69.9	69.9	69.9	70.0	70.0	70.0
≥ 1500	57.7	67.8	69.5	70.2	71.4	71.4	71.7	71.8	71.8	71.9	72.0	72.0	72.0	72.2	72.2	72.2
≥ 1200	58.9	71.2	73.1	74.1	75.3	75.4	75.7	75.8	75.8	76.0	76.1	76.1	76.1	76.2	76.2	76.2
≥ 1000	59.5	73.0	75.1	76.3	77.6	77.7	78.2	78.4	78.4	78.6	78.7	78.7	78.7	78.8	78.8	78.8
≥ 900	59.9	74.5	77.1	78.4	79.8	79.9	80.4	80.6	80.6	80.9	81.0	81.0	81.0	81.1	81.1	81.1
≥ 800	60.4	75.7	78.5	80.0	81.4	81.5	82.2	82.4	82.4	82.6	82.7	82.7	82.7	82.8	82.8	82.8
≥ 700	61.0	77.8	81.0	82.6	84.0	84.1	84.7	84.9	84.9	85.2	85.3	85.3	85.3	85.4	85.4	85.4
≥ 600	61.4	79.5	82.9	84.9	86.7	86.8	87.8	88.1	88.1	88.5	88.6	88.6	88.7	88.9	88.9	88.9
≥ 500	61.6	80.6	84.3	86.9	89.1	89.4	90.9	91.1	91.1	91.5	91.6	91.6	91.9	92.2	92.2	92.2
≥ 400	61.6	80.8	84.7	87.6	90.8	91.2	93.2	93.7	93.7	94.1	94.3	94.3	94.6	94.8	94.8	94.8
≥ 300	61.6	81.0	85.1	88.0	91.2	91.6	94.1	94.7	94.7	95.9	96.1	96.3	96.7	96.9	96.9	97.1
≥ 200	61.6	81.1	85.3	88.2	91.4	91.8	94.5	95.3	95.3	96.7	96.9	97.2	97.6	97.8	97.8	98.2
≥ 100	61.6	81.1	85.3	88.2	91.4	91.8	94.5	95.5	95.5	96.9	97.1	97.4	97.8	98.1	98.3	98.3
≥ 0	61.6	81.1	85.3	88.2	91.4	91.8	94.5	95.5	95.5	96.9	97.1	97.4	98.0	98.3	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 932

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12926

ELLINGTON AFB TX

69-70,73-80

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	33.0	36.6	37.0	37.6	38.4	38.5	38.5	38.5	38.5	38.5	38.6	38.6	38.7	38.8	39.0	39.2
≥ 20000	35.6	39.8	40.2	40.9	41.7	41.8	41.8	41.9	41.9	41.9	42.0	42.0	42.2	42.3	42.5	42.7
≥ 18000	35.6	39.8	40.2	40.9	41.7	41.8	41.8	41.9	41.9	41.9	42.0	42.0	42.2	42.3	42.5	42.7
≥ 16000	35.6	39.8	40.2	40.9	41.7	41.8	41.8	41.9	41.9	41.9	42.0	42.0	42.2	42.3	42.5	42.7
≥ 14000	36.7	40.3	40.8	41.4	42.3	42.4	42.4	42.5	42.5	42.5	42.6	42.6	42.7	42.8	43.0	43.2
≥ 12000	36.7	40.9	41.3	41.9	42.8	42.9	43.0	43.1	43.1	43.1	43.2	43.2	43.3	43.4	43.7	43.9
≥ 10000	38.0	42.3	42.7	43.3	44.2	44.3	44.4	44.5	44.5	44.5	44.7	44.8	44.8	44.9	45.1	45.3
≥ 9000	38.0	42.3	42.7	43.3	44.2	44.3	44.4	44.5	44.5	44.5	44.7	44.8	44.8	44.9	45.1	45.3
≥ 8000	39.4	43.7	44.1	44.7	45.6	45.7	45.8	45.9	45.9	45.9	46.1	46.2	46.2	46.3	46.5	46.7
≥ 7000	40.0	44.4	44.8	45.6	46.5	46.6	46.7	46.8	46.8	46.8	47.0	47.1	47.1	47.2	47.3	47.7
≥ 6000	41.4	45.8	46.2	47.0	47.8	48.1	48.2	48.3	48.3	48.5	48.6	48.6	48.7	48.8	49.0	49.2
≥ 5000	43.4	48.2	48.6	49.4	50.3	50.5	50.6	50.9	50.9	51.1	51.2	51.2	51.3	51.4	51.6	51.8
≥ 4500	43.9	48.6	49.0	49.8	50.8	51.0	51.1	51.3	51.3	51.5	51.6	51.6	51.7	51.8	52.0	52.3
≥ 4000	45.1	50.4	51.0	51.7	52.9	53.1	53.2	53.4	53.4	53.7	53.8	53.8	53.9	54.0	54.2	54.4
≥ 3500	45.9	51.8	52.5	53.2	54.4	54.6	54.7	54.9	54.9	55.2	55.3	55.3	55.4	55.5	55.7	55.9
≥ 3000	47.8	54.4	55.1	55.9	57.1	57.3	57.4	57.6	57.6	58.0	58.1	58.1	58.2	58.3	58.5	58.7
≥ 2500	48.7	56.0	56.7	57.5	58.7	58.9	59.0	59.2	59.2	59.6	59.7	59.7	59.8	59.9	60.1	60.4
≥ 2000	50.6	59.0	59.8	60.6	61.8	62.0	62.2	62.4	62.4	62.7	62.8	62.8	62.9	63.0	63.2	63.5
≥ 1800	51.4	60.2	61.1	61.9	63.1	63.3	63.4	63.7	63.7	64.0	64.1	64.1	64.2	64.3	64.5	64.8
≥ 1500	52.4	62.0	63.0	64.0	65.3	65.5	65.6	65.8	65.8	66.1	66.2	66.2	66.3	66.5	66.7	67.0
≥ 1200	54.4	65.8	67.5	68.6	69.9	70.1	70.2	70.4	70.4	70.8	70.9	70.9	71.0	71.1	71.3	71.6
≥ 1000	55.4	68.4	70.4	71.5	72.9	73.1	73.2	73.4	73.4	73.8	73.9	73.9	74.0	74.1	74.3	74.6
≥ 900	55.8	69.7	71.7	72.9	74.4	74.6	74.7	74.9	74.9	75.3	75.4	75.4	75.5	75.6	75.8	76.1
≥ 800	56.2	70.8	72.9	74.1	75.7	75.9	76.0	76.2	76.2	76.7	76.8	76.8	76.9	77.0	77.2	77.5
≥ 700	57.0	72.9	75.3	76.8	78.7	78.9	79.0	79.2	79.2	79.8	79.9	79.9	80.0	80.1	80.3	80.6
≥ 600	57.8	75.5	78.1	79.8	82.0	82.3	82.4	82.7	82.7	83.2	83.4	83.4	83.5	83.7	83.9	84.2
≥ 500	58.0	76.9	80.1	81.9	84.4	84.7	85.4	85.7	85.7	86.3	86.6	86.6	86.7	86.9	87.1	87.4
≥ 400	58.5	78.4	81.9	83.9	86.9	87.5	88.4	88.8	88.8	90.1	90.4	90.4	90.5	90.8	91.1	91.4
≥ 300	58.5	78.5	82.3	84.4	87.6	88.5	89.8	90.5	90.5	91.9	92.3	92.6	92.7	92.9	93.2	93.5
≥ 200	58.5	78.5	82.3	84.4	87.7	88.8	90.5	91.4	91.4	93.0	93.7	94.0	94.2	94.9	95.4	95.9
≥ 100	58.5	78.5	82.3	84.4	87.7	88.8	90.5	91.4	91.4	93.0	93.7	94.1	94.9	95.7	96.6	97.6
≥ 0	58.5	78.5	82.3	84.4	87.7	88.8	90.5	91.4	91.4	93.0	93.7	94.1	95.1	96.1	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69-70,73-80

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	30.4	33.9	34.5	34.9	35.4	35.5	35.6	35.7	35.7	35.8	35.9	35.9	36.0	36.1	36.2	36.8
≥ 20000	32.9	37.0	37.7	38.2	38.8	38.8	38.9	39.1	39.1	39.2	39.3	39.3	39.4	39.5	39.6	40.3
≥ 18000	33.0	37.0	37.7	38.2	38.8	38.8	39.0	39.1	39.1	39.2	39.4	39.4	39.4	39.5	39.6	40.3
≥ 16000	33.0	37.0	37.7	38.2	38.8	38.8	39.0	39.1	39.1	39.2	39.4	39.4	39.4	39.5	39.6	40.3
≥ 14000	33.2	37.4	38.1	38.6	39.2	39.2	39.4	39.5	39.5	39.6	39.7	39.8	39.8	39.9	40.0	40.7
≥ 12000	34.0	38.2	38.9	39.4	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.6	40.7	40.8	40.9	41.5
≥ 10000	35.4	39.9	40.5	41.0	41.7	41.7	41.9	42.0	42.0	42.2	42.3	42.3	42.4	42.5	42.6	43.2
≥ 9000	35.6	40.1	40.8	41.3	42.0	42.0	42.2	42.4	42.4	42.5	42.6	42.6	42.7	42.8	42.9	43.6
≥ 8000	36.6	41.5	42.1	42.7	43.3	43.4	43.6	43.8	43.8	43.9	44.0	44.0	44.1	44.2	44.3	45.0
≥ 7000	37.6	42.8	43.5	44.1	44.7	44.8	45.0	45.1	45.2	45.3	45.4	45.4	45.5	45.6	45.7	46.4
≥ 6000	38.9	44.2	45.0	45.7	46.3	46.4	46.6	46.8	46.8	46.9	47.0	47.1	47.1	47.2	47.3	48.0
≥ 5000	41.2	47.0	47.8	48.5	49.2	49.4	49.5	49.7	49.7	49.9	50.0	50.0	50.1	50.2	50.3	50.9
≥ 4500	42.1	48.2	49.0	49.7	50.5	50.6	50.8	50.9	51.1	51.1	51.2	51.2	51.3	51.4	51.5	52.2
≥ 4000	43.7	50.6	51.8	52.2	53.1	53.2	53.4	53.5	53.6	53.7	53.8	53.9	53.9	54.0	54.2	54.9
≥ 3500	44.9	52.2	53.3	54.0	54.8	54.9	55.1	55.3	55.4	55.5	55.6	55.7	55.8	55.9	56.0	56.7
≥ 3000	46.5	54.5	55.6	56.5	57.4	57.5	57.7	57.9	58.0	58.2	58.3	58.3	58.4	58.5	58.6	59.3
≥ 2500	47.3	56.0	57.2	58.1	59.1	59.3	59.5	59.7	59.8	60.0	60.1	60.1	60.2	60.3	60.4	61.2
≥ 2000	49.0	58.7	60.1	61.1	62.2	62.4	62.8	63.0	63.1	63.2	63.4	63.4	63.5	63.6	63.7	64.5
≥ 1800	49.7	59.7	61.1	62.2	63.4	63.6	64.0	64.2	64.3	64.5	64.6	64.6	64.7	64.8	64.9	65.7
≥ 1500	51.1	62.4	64.0	65.2	66.5	66.7	67.1	67.4	67.4	67.6	67.8	67.8	67.9	68.0	68.2	68.9
≥ 1200	52.4	65.9	67.8	69.3	70.6	71.0	71.4	71.7	71.8	72.0	72.2	72.2	72.3	72.4	72.6	73.3
≥ 1000	53.1	68.0	70.2	71.9	73.4	73.8	74.2	74.6	74.7	75.0	75.1	75.2	75.2	75.4	75.5	76.3
≥ 900	53.5	69.3	71.6	73.6	75.2	75.6	76.1	76.5	76.6	76.9	77.0	77.1	77.2	77.3	77.5	78.2
≥ 800	54.0	70.7	73.3	75.4	77.3	77.7	78.2	78.7	78.7	79.1	79.2	79.3	79.4	79.5	79.7	80.5
≥ 700	54.2	72.2	75.0	77.4	79.6	80.0	80.7	81.2	81.3	81.6	81.8	81.9	82.0	82.2	82.4	83.1
≥ 600	54.5	73.4	76.4	79.0	81.6	82.2	83.1	83.7	83.8	84.2	84.4	84.5	84.6	84.8	84.9	85.7
≥ 500	54.7	74.5	77.8	80.9	83.9	84.6	85.9	86.6	86.7	87.2	87.4	87.5	87.7	87.9	88.1	88.9
≥ 400	54.7	75.1	79.7	82.1	85.6	86.4	88.2	89.2	89.3	90.1	90.5	90.6	90.8	91.0	91.3	92.1
≥ 300	54.7	75.4	79.1	82.8	86.5	87.5	89.7	90.9	91.1	92.2	92.8	93.1	93.4	93.7	94.0	94.9
≥ 200	54.7	75.4	79.2	82.9	86.7	87.8	90.1	91.5	91.7	93.1	93.8	94.2	94.7	95.0	95.7	96.9
≥ 100	54.7	75.4	79.2	82.9	86.7	87.8	90.1	91.5	91.7	93.2	94.0	94.4	95.1	95.7	96.6	98.7
≥ 0	54.7	75.4	79.2	82.9	86.7	87.8	90.1	91.5	91.8	93.2	94.0	94.4	95.1	95.8	96.6	100.0

TOTAL NUMBER OF OBSERVATIONS

744

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12976

ELLINGTON AFB TX

69-70,73-80

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/4	≥ 0
NO CEILING	37.9	41.7	42.8	44.0	45.3	45.4	46.1	46.2	46.2	46.7	46.9	47.0	47.6	47.8	48.8	50.6
≥ 20000	39.2	43.0	44.1	45.3	46.7	46.8	47.5	47.6	47.6	48.1	48.3	48.5	49.1	49.2	50.2	52.0
≥ 18000	39.4	43.1	44.2	45.4	46.8	46.9	47.6	47.8	47.8	48.2	48.5	48.6	49.2	49.3	50.4	52.1
≥ 16000	39.4	43.1	44.2	45.4	46.8	46.9	47.6	47.8	47.8	48.2	48.5	48.6	49.2	49.3	50.4	52.1
≥ 14000	39.5	43.3	44.3	45.5	46.9	47.0	47.8	47.9	47.9	48.3	48.6	48.7	49.3	49.4	50.5	52.2
≥ 12000	41.3	45.4	46.5	47.8	49.2	49.3	50.0	50.1	50.1	50.6	50.8	50.9	51.5	51.7	52.7	54.5
≥ 10000	43.1	47.6	48.7	50.0	51.4	51.5	52.2	52.4	52.4	52.8	53.1	53.2	53.8	53.9	55.0	56.7
≥ 9000	44.0	48.5	49.5	50.8	52.2	52.4	53.1	53.2	53.2	53.7	53.9	54.0	54.6	54.7	55.8	57.6
≥ 8000	45.2	49.9	51.1	52.4	53.8	53.9	54.6	54.8	54.8	55.3	55.6	55.7	56.3	56.4	57.4	59.2
≥ 7000	47.2	51.2	53.4	54.7	56.1	56.3	57.0	57.2	57.2	57.7	57.9	58.0	58.6	58.7	59.8	61.6
≥ 6000	48.5	53.7	54.8	56.1	57.6	57.7	58.4	58.6	58.6	59.1	59.3	59.5	60.0	60.2	61.2	63.0
≥ 5000	51.2	55.7	57.0	58.3	59.7	59.8	60.5	60.8	60.8	61.2	61.5	61.6	62.2	62.3	63.4	65.1
≥ 4500	51.4	57.3	58.7	60.2	61.6	61.7	62.4	62.6	62.6	63.2	63.5	63.6	64.2	64.3	65.4	67.1
≥ 4000	52.1	58.7	60.3	61.8	63.2	63.4	64.1	64.3	64.3	64.9	65.1	65.2	65.8	66.0	67.0	68.8
≥ 3500	53.0	60.8	62.3	64.1	65.5	65.6	66.3	66.5	66.5	67.1	67.4	67.5	68.1	68.2	69.3	71.0
≥ 3000	53.9	61.7	63.2	65.1	66.5	66.7	67.4	67.6	67.6	68.2	68.4	68.6	69.1	69.3	70.3	72.1
≥ 2500	54.1	62.5	64.2	66.1	67.5	67.6	68.3	68.6	68.6	69.1	69.4	69.5	70.1	70.2	71.3	73.0
≥ 2000	55.3	64.9	66.5	68.7	70.1	70.2	70.9	71.2	71.2	71.7	72.0	72.1	72.7	72.8	73.9	75.7
≥ 1800	55.6	65.2	67.1	69.3	70.7	70.8	71.5	71.7	71.7	72.3	72.6	72.7	73.3	73.4	74.5	76.2
≥ 1500	56.7	67.1	69.1	71.5	72.9	73.0	73.8	74.0	74.0	74.6	74.8	74.9	75.5	75.7	76.8	78.6
≥ 1200	57.4	69.7	72.3	75.2	76.6	76.7	77.4	77.7	77.7	78.3	78.5	78.6	79.2	79.3	80.5	82.3
≥ 1000	58.0	71.0	73.6	76.7	78.1	78.3	79.0	79.2	79.2	79.8	80.0	80.1	80.7	80.9	82.0	83.8
≥ 900	58.3	72.2	74.8	78.0	79.6	79.7	80.4	80.6	80.6	81.2	81.4	81.6	82.2	82.3	83.5	85.2
≥ 800	58.7	73.9	76.5	79.7	81.2	81.3	82.0	82.3	82.3	82.9	83.1	83.2	83.8	83.9	85.1	86.9
≥ 700	59.0	75.5	78.5	81.8	83.5	83.6	84.3	84.5	84.5	85.1	85.3	85.5	86.2	86.3	87.5	89.2
≥ 600	59.2	76.4	79.4	82.9	84.8	84.9	85.6	85.8	85.8	86.4	86.6	86.8	87.5	87.6	88.8	90.5
≥ 500	59.5	77.5	80.7	84.4	86.3	86.4	87.1	87.4	87.4	87.9	88.2	88.3	89.0	89.1	90.3	92.1
≥ 400	59.5	77.9	81.7	85.6	87.6	87.7	88.4	88.7	88.7	89.2	89.5	89.6	90.3	90.4	91.6	93.4
≥ 300	59.6	78.3	82.3	86.5	88.7	88.8	89.7	90.0	90.1	90.7	91.1	91.3	92.0	92.1	93.5	95.5
≥ 200	59.8	78.6	82.7	87.4	89.6	89.7	90.9	91.3	91.4	92.0	92.4	92.7	93.4	93.5	94.9	96.9
≥ 100	59.8	78.6	82.9	87.5	89.7	89.8	91.0	91.5	91.6	92.3	92.8	93.0	93.9	94.1	95.6	98.5
≥ 0	59.6	78.6	82.9	87.5	89.8	90.0	91.1	91.6	91.7	92.4	92.9	93.1	94.0	94.3	96.3	100.0

TOTAL NUMBER OF OBSERVATIONS

845

USAF ETAC FORM 7 JUL 64 D-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69-70,73-80

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	34.3	37.8	39.7	40.2	40.9	41.0	41.8	42.3	42.6	42.8	42.9	43.1	43.5	44.2	44.9	48.1
≥ 20000	35.0	38.7	39.8	41.0	41.7	41.8	42.7	43.1	43.4	43.6	43.7	44.0	44.3	45.0	45.7	48.9
≥ 18000	35.0	38.7	39.8	41.0	41.7	41.8	42.7	43.1	43.4	43.6	43.7	44.0	44.3	45.0	45.7	48.9
≥ 16000	35.0	38.7	39.8	41.0	41.7	41.8	42.7	43.1	43.4	43.6	43.7	44.0	44.3	45.0	45.7	48.9
≥ 14000	35.8	39.5	40.7	41.8	42.6	42.7	43.5	44.0	44.2	44.4	44.6	44.8	45.2	45.9	46.6	49.8
≥ 12000	37.1	40.8	42.0	43.3	44.2	44.3	45.2	45.6	45.9	46.1	46.2	46.5	46.8	47.5	48.2	51.4
≥ 10000	38.5	42.2	43.4	44.7	45.6	45.7	46.6	47.0	47.3	47.5	47.6	47.9	48.2	49.1	49.8	53.1
≥ 9000	39.2	43.1	44.3	45.6	46.6	46.7	47.5	48.0	48.2	48.5	48.6	48.8	49.2	50.0	50.7	54.0
≥ 8000	40.1	44.1	45.4	46.7	47.6	47.8	48.7	49.2	49.4	49.6	49.8	50.0	50.4	51.2	51.9	55.2
≥ 7000	41.0	45.2	46.6	47.9	48.8	48.9	49.9	50.4	50.6	50.8	50.9	51.2	51.5	52.4	53.1	56.4
≥ 6000	42.8	47.0	48.5	50.0	50.9	51.1	52.0	52.5	52.7	53.0	53.1	53.3	53.7	54.5	55.2	58.5
≥ 5000	44.9	49.6	51.1	52.8	53.8	53.9	54.8	55.3	55.6	55.8	55.9	56.1	56.5	57.4	58.5	61.8
≥ 4500	46.1	51.1	52.6	54.4	55.3	55.4	56.4	56.9	57.1	57.4	57.6	57.8	58.2	59.1	60.2	63.5
≥ 4000	46.9	53.1	54.6	56.4	57.3	57.4	58.4	58.9	59.1	59.5	59.6	59.8	60.2	61.1	62.2	65.5
≥ 3500	48.3	55.3	57.1	58.9	59.8	59.9	60.9	61.3	61.6	61.9	62.1	62.3	62.6	63.6	64.7	68.0
≥ 3000	49.2	57.4	59.1	61.2	62.2	62.3	63.2	63.7	63.9	64.3	64.4	64.7	65.0	66.0	67.0	70.3
≥ 2500	49.4	58.0	59.7	61.9	62.9	63.0	63.9	64.4	64.8	65.1	65.2	65.5	65.8	66.8	67.8	71.2
≥ 2000	50.6	60.0	61.8	64.3	65.2	65.4	66.3	66.8	67.1	67.5	67.6	67.8	68.2	69.1	70.2	73.6
≥ 1800	51.3	61.0	62.8	65.2	66.2	66.3	67.3	67.7	68.1	68.4	68.6	68.8	69.1	70.1	71.2	74.7
≥ 1500	52.6	63.1	65.0	67.6	68.6	68.7	69.6	70.1	70.4	70.8	70.9	71.2	71.5	72.5	73.5	77.1
≥ 1200	54.0	66.4	68.4	71.2	72.1	72.2	73.2	73.6	74.0	74.3	74.5	74.7	75.1	76.0	77.1	80.6
≥ 1000	54.1	67.4	69.6	72.6	73.6	73.8	74.7	75.2	75.5	75.9	76.0	76.2	76.6	77.5	78.6	82.2
≥ 900	54.5	69.1	71.4	74.5	75.5	75.7	76.6	77.1	77.4	77.8	77.9	78.1	78.5	79.4	80.5	84.0
≥ 800	54.8	69.9	72.1	75.4	76.7	76.8	77.8	78.3	78.6	79.0	79.1	79.3	79.7	80.6	81.7	85.2
≥ 700	55.1	71.0	73.3	76.7	78.1	78.4	79.3	79.8	80.1	80.5	80.6	80.9	81.2	82.2	83.2	86.8
≥ 600	55.4	72.5	74.9	78.5	80.3	80.5	81.4	81.9	82.3	82.6	82.7	83.0	83.3	84.3	85.3	88.9
≥ 500	55.9	74.0	76.7	80.5	82.3	82.7	83.7	84.2	84.5	84.9	85.0	85.2	85.6	86.5	87.6	91.1
≥ 400	55.9	74.6	77.7	81.8	83.6	84.0	85.1	85.8	86.2	86.5	86.6	86.9	87.2	88.2	89.2	92.8
≥ 300	56.0	75.4	78.5	82.7	84.5	85.0	86.2	87.0	87.4	87.8	88.1	88.3	88.7	89.7	90.8	94.6
≥ 200	56.1	76.1	79.2	83.5	85.2	85.7	86.9	87.7	88.1	88.8	89.0	89.2	89.7	90.8	92.0	96.6
≥ 100	56.1	76.1	79.2	83.5	85.2	85.7	86.9	87.7	88.2	88.9	89.1	89.4	89.8	91.1	92.4	97.9
≥ 0	56.1	76.1	79.2	83.5	85.2	85.7	86.9	87.7	88.2	88.9	89.1	89.4	89.8	91.1	92.7	100.0

TOTAL NUMBER OF OBSERVATIONS 846

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69-70,73-80

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

600-0800

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING	27.3	32.2	33.3	34.8	36.6	36.8	37.6	37.9	37.9	38.2	38.9	39.2	39.7	40.4	41.1	43.7
≥ 20000	28.3	33.6	35.0	36.6	38.7	38.8	39.6	40.0	40.0	40.2	40.9	41.3	41.7	42.4	43.4	46.0
≥ 18000	28.3	33.6	35.0	36.6	38.7	38.8	39.6	40.0	40.0	40.2	40.9	41.3	41.7	42.4	43.4	46.0
≥ 16000	28.3	33.6	35.0	36.6	38.7	38.8	39.6	40.0	40.0	40.2	40.9	41.3	41.7	42.4	43.4	46.0
≥ 14000	29.1	34.4	35.9	37.5	39.5	39.6	40.4	40.8	40.8	41.0	41.7	42.1	42.6	43.3	44.2	46.8
≥ 12000	29.6	34.9	36.4	38.2	40.2	40.3	41.1	41.5	41.5	41.7	42.4	42.8	43.3	44.0	44.9	47.5
≥ 10000	31.2	36.9	38.4	40.3	42.4	42.7	43.5	43.9	43.9	44.1	44.8	45.3	45.9	46.6	47.8	50.5
≥ 9000	31.6	37.4	38.9	40.8	43.0	43.3	44.1	44.4	44.4	44.7	45.4	45.9	46.5	47.2	48.3	51.1
≥ 8000	32.3	38.4	40.0	42.0	44.3	44.6	45.4	45.7	45.7	46.0	46.7	47.2	47.8	48.5	49.6	52.4
≥ 7000	33.4	40.4	42.2	44.3	46.8	47.0	47.9	48.2	48.5	48.7	49.4	49.9	50.5	51.2	52.4	55.1
≥ 6000	35.0	41.8	43.6	45.7	48.3	48.7	49.5	49.9	50.1	50.4	51.1	51.7	52.2	53.0	54.1	56.9
≥ 5000	36.3	44.1	46.3	48.7	51.3	51.7	52.5	52.8	53.1	53.4	54.1	54.7	55.3	56.0	57.2	59.9
≥ 4500	37.1	45.3	47.6	50.0	52.6	53.0	53.9	54.3	54.5	54.8	55.6	56.1	56.7	57.4	58.6	61.3
≥ 4000	38.5	47.4	50.2	52.6	55.6	55.9	57.0	57.4	57.7	58.0	58.7	59.3	59.9	60.6	61.8	64.5
≥ 3500	39.2	49.2	52.6	55.1	58.0	58.4	59.5	60.2	60.4	60.8	61.5	62.1	62.6	63.4	64.5	67.3
≥ 3000	39.7	50.5	54.7	56.9	60.0	60.6	61.7	62.4	62.6	63.1	63.9	64.5	65.1	65.8	67.0	69.9
≥ 2500	40.1	51.7	55.3	58.3	61.7	62.3	63.4	64.1	64.5	65.0	65.8	66.4	67.0	67.7	68.9	71.9
≥ 2000	41.4	54.1	57.9	61.0	64.4	65.1	66.3	67.0	67.5	68.0	68.8	69.4	70.0	70.7	71.9	74.9
≥ 1800	42.1	54.8	58.6	61.9	65.5	66.2	67.4	68.1	68.6	69.0	69.9	70.4	71.0	71.7	72.9	76.0
≥ 1500	43.3	56.9	60.9	64.4	68.0	68.8	70.1	70.9	71.4	71.9	72.8	73.4	74.0	74.7	75.9	79.0
≥ 1200	43.9	58.3	62.3	66.0	69.6	70.4	71.7	72.6	73.2	73.6	74.6	75.2	75.8	76.5	77.7	80.7
≥ 1000	44.1	59.5	63.6	67.4	71.3	72.1	73.4	74.3	74.9	75.4	76.4	77.0	77.5	78.3	79.4	82.5
≥ 900	44.4	60.0	64.3	68.2	72.1	73.0	74.3	75.3	75.9	76.5	77.4	78.0	78.6	79.3	80.5	83.6
≥ 800	44.4	60.8	65.5	69.4	73.3	74.3	75.7	76.6	77.2	77.8	78.7	79.3	79.9	80.6	81.8	84.9
≥ 700	44.7	61.3	66.1	70.2	74.2	75.3	76.6	77.8	78.4	79.1	80.0	80.7	81.4	82.2	83.3	86.4
≥ 600	44.9	61.9	66.9	71.4	75.4	76.5	77.9	79.1	79.7	80.4	81.3	82.0	82.9	83.7	84.9	87.9
≥ 500	45.0	62.4	67.7	72.3	76.7	78.0	79.9	81.1	81.8	82.6	83.6	84.3	85.1	85.9	87.1	90.3
≥ 400	45.0	62.9	68.4	73.2	77.7	79.1	81.4	82.6	83.3	84.6	85.6	86.3	87.1	87.9	89.1	92.3
≥ 300	45.0	63.0	68.6	73.3	77.9	79.4	81.9	83.5	84.3	85.7	86.9	87.6	88.5	89.5	90.8	94.6
≥ 200	45.0	63.0	68.6	73.3	77.9	79.6	82.0	83.7	84.5	86.1	87.5	88.2	89.5	91.0	92.9	97.2
≥ 100	45.0	63.0	68.7	73.4	78.1	79.8	82.3	83.9	84.8	86.4	87.9	88.8	90.1	91.6	93.6	98.5
≥ 0	45.0	63.0	68.7	73.4	78.1	79.8	82.3	83.9	84.8	86.4	87.9	88.8	90.3	91.8	94.2	100.0

TOTAL NUMBER OF OBSERVATIONS 846

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69-70,73-80

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

3900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	30.3	37.6	38.9	40.0	40.8	40.9	41.0	41.1	41.1	41.5	41.5	41.5	41.5	41.6	41.6	41.7
≥ 20000	31.9	40.8	42.6	43.6	44.4	44.6	44.7	44.8	44.8	45.2	45.2	45.2	45.2	45.3	45.3	45.4
≥ 18000	32.2	41.1	42.9	44.0	44.8	44.9	45.0	45.2	45.2	45.5	45.5	45.5	45.5	45.6	45.6	45.7
≥ 16000	32.2	41.1	42.9	44.0	44.8	44.9	45.0	45.2	45.2	45.5	45.5	45.5	45.5	45.6	45.6	45.7
≥ 14000	32.5	41.6	43.4	44.4	45.3	45.4	45.6	45.7	45.7	46.1	46.1	46.1	46.1	46.2	46.2	46.3
≥ 12000	33.1	42.3	44.1	45.2	46.0	46.1	46.3	46.5	46.5	46.8	46.8	46.8	46.8	46.9	46.9	47.0
≥ 10000	35.1	45.2	46.9	48.0	48.8	48.9	49.2	49.3	49.3	49.6	49.6	49.6	49.6	49.8	49.8	49.9
≥ 9000	35.5	45.7	47.6	48.7	49.5	49.6	49.9	50.0	50.0	50.4	50.4	50.4	50.4	50.5	50.5	50.6
≥ 8000	37.2	48.0	49.9	50.9	51.8	51.9	52.1	52.2	52.2	52.6	52.6	52.6	52.6	52.7	52.7	52.8
≥ 7000	38.4	49.9	52.0	53.3	54.3	54.4	54.6	54.7	54.7	55.1	55.1	55.1	55.1	55.2	55.3	55.4
≥ 6000	39.4	51.4	53.5	55.0	56.0	56.1	56.4	56.5	56.5	56.9	56.9	56.9	56.9	57.0	57.1	57.2
≥ 5000	41.0	54.0	56.3	57.8	59.0	59.1	59.3	59.5	59.5	59.8	59.8	59.8	59.8	59.9	60.0	60.2
≥ 4500	41.8	55.6	57.8	59.3	60.6	60.8	61.0	61.1	61.1	61.5	61.5	61.5	61.5	61.6	61.7	61.8
≥ 4000	44.2	59.1	61.8	63.5	65.0	65.2	65.5	65.7	65.7	66.1	66.1	66.1	66.1	66.2	66.3	66.4
≥ 3500	44.7	60.5	63.2	65.0	66.7	67.3	67.6	67.8	67.8	68.2	68.2	68.2	68.2	68.3	68.4	68.6
≥ 3000	45.4	61.9	65.0	66.9	68.9	69.5	70.0	70.2	70.2	70.6	70.6	70.6	70.6	70.7	70.8	70.9
≥ 2500	46.5	64.3	67.4	69.3	71.3	72.2	72.7	72.9	72.9	73.3	73.3	73.3	73.3	73.4	73.5	73.6
≥ 2000	47.3	66.2	69.4	71.6	73.8	74.7	75.2	75.4	75.4	75.8	75.8	75.8	75.8	75.9	76.0	76.1
≥ 1800	48.1	67.5	70.7	73.0	75.2	76.1	76.6	76.8	76.8	77.2	77.2	77.2	77.2	77.3	77.4	77.5
≥ 1500	48.9	69.1	72.8	75.2	77.3	78.3	78.7	79.0	79.0	79.3	79.3	79.3	79.3	79.4	79.6	79.7
≥ 1200	49.8	71.5	75.4	77.9	80.7	81.8	82.4	82.6	82.6	83.0	83.0	83.0	83.0	83.1	83.2	83.3
≥ 1000	50.0	72.9	77.2	80.0	83.0	84.0	84.8	85.0	85.0	85.3	85.3	85.3	85.3	85.5	85.6	85.7
≥ 900	50.0	73.4	77.8	80.6	83.7	84.9	85.7	85.9	85.9	86.3	86.3	86.3	86.3	86.4	86.5	86.6
≥ 800	50.0	73.9	78.3	81.1	84.4	85.7	86.5	86.8	86.8	87.1	87.1	87.1	87.1	87.2	87.4	87.5
≥ 700	50.2	74.7	79.3	82.2	85.6	86.9	87.8	88.2	88.2	88.5	88.5	88.5	88.5	88.8	88.9	89.1
≥ 600	50.4	75.5	80.3	83.2	87.0	88.4	89.6	90.2	90.4	90.9	90.9	90.9	90.9	91.1	91.4	91.6
≥ 500	50.5	75.8	80.5	83.6	87.7	89.5	90.9	91.7	92.1	92.7	92.7	92.7	92.7	92.9	93.1	93.4
≥ 400	50.5	76.0	80.7	83.9	88.2	90.1	91.8	92.7	93.1	94.1	94.1	94.1	94.1	94.4	94.9	95.2
≥ 300	50.7	76.2	81.2	84.5	88.9	90.9	92.9	94.4	95.0	96.5	96.7	96.7	96.7	97.3	97.8	98.0
≥ 200	50.7	76.2	81.2	84.5	89.0	91.0	93.1	94.7	95.4	96.9	97.2	97.2	97.2	98.3	99.1	99.6
≥ 100	50.7	76.2	81.2	84.5	89.0	91.0	93.1	94.7	95.4	97.0	97.3	97.3	97.3	98.5	99.3	100.0
≥ 0	50.7	76.2	81.2	84.5	89.0	91.0	93.1	94.7	95.4	97.0	97.3	97.3	97.3	98.5	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 846

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69-70,73-80

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	39.5	45.2	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 20000	42.2	48.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 18000	42.3	49.1	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 16000	42.3	49.1	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 14000	42.6	49.3	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 12000	44.6	51.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 10000	46.9	54.4	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 9000	47.6	55.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 8000	49.5	57.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 7000	50.2	59.0	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 6000	51.3	60.2	61.2	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 5000	52.6	62.5	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 4500	53.4	63.7	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 4000	55.0	66.1	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 3500	56.1	67.7	69.3	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 3000	58.0	70.0	71.5	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 2500	61.0	74.1	75.7	76.1	76.2	76.2	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 2000	63.6	78.5	80.0	80.5	80.7	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 1800	64.8	79.4	81.1	81.6	81.8	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 1500	65.4	80.7	82.7	84.0	84.4	84.6	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 1200	66.2	83.0	85.1	87.0	87.9	88.2	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1000	66.3	83.8	86.2	88.5	89.5	89.8	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 900	66.4	84.3	86.8	89.5	90.5	90.9	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 800	66.4	84.9	87.6	90.7	91.8	92.4	93.1	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4
≥ 700	66.4	85.8	89.0	92.4	93.7	94.4	95.3	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5
≥ 600	66.5	86.1	89.4	92.9	94.3	95.2	96.1	96.2	96.2	96.2	96.5	96.5	96.5	96.5	96.5	96.5
≥ 500	66.5	86.1	89.7	93.6	96.0	96.9	98.0	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3
≥ 400	66.5	86.2	89.8	93.9	96.3	97.6	99.2	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	66.5	86.2	89.8	93.9	96.3	97.6	99.3	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	66.5	86.2	89.8	93.9	96.3	97.6	99.3	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.9	99.9
≥ 100	66.5	86.2	89.8	93.9	96.3	97.6	99.3	99.5	99.5	99.5	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0	66.5	86.2	89.8	93.9	96.3	97.6	99.3	99.5	99.5	99.5	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69-70,73-80

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥3/16	≥¼	≥0
NO CEILING	45.0	48.0	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 20000	49.6	52.8	53.5	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
IV 18000	49.8	53.0	53.7	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
IV 16000	49.9	53.1	53.8	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 14000	50.4	53.9	54.6	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 12000	51.7	55.4	56.1	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 10000	54.1	58.0	58.9	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 9000	55.0	59.1	59.9	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 8000	56.3	60.8	61.6	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 7000	56.9	61.5	62.3	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
IV 6000	58.7	63.0	63.8	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
IV 5000	59.8	65.7	66.5	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 4500	60.4	66.7	67.5	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 4000	62.5	69.4	70.3	70.7	70.8	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 3500	64.7	72.0	73.2	73.5	73.9	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 3000	65.5	73.4	74.7	75.1	75.7	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 2500	67.0	75.9	77.3	77.7	78.3	78.4	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 2000	68.8	79.4	80.9	81.3	82.2	82.5	82.6	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 1800	69.3	80.7	82.2	82.6	83.5	83.8	84.0	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 1500	70.2	83.3	85.2	86.5	87.6	87.9	88.2	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 1200	70.6	84.4	86.5	87.9	89.1	89.5	90.0	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 1000	70.8	85.0	87.4	89.1	90.7	91.0	91.5	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 900	70.9	85.6	88.1	90.1	91.6	92.0	92.4	92.8	92.9	92.9	92.9	92.9	93.0	93.0	93.0	93.0
IV 800	71.0	85.8	88.3	90.4	92.1	92.6	93.1	93.5	93.6	93.6	93.6	93.6	93.7	93.7	93.7	93.7
IV 700	71.2	86.4	89.1	91.4	93.1	93.6	94.6	94.9	95.2	95.2	95.3	95.3	95.4	95.4	95.4	95.4
IV 600	71.2	86.6	89.6	92.0	94.3	94.9	95.9	96.2	96.5	96.5	96.6	96.6	96.7	96.7	96.7	96.7
IV 500	71.2	87.1	90.1	92.8	95.6	96.5	97.9	98.3	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.8
IV 400	71.2	87.1	90.1	92.9	95.7	96.6	98.1	98.6	98.8	98.9	99.1	99.1	99.2	99.2	99.2	99.2
IV 300	71.2	87.1	90.1	92.9	95.7	96.6	98.1	98.9	99.2	99.3	99.8	99.9	100.0	100.0	100.0	100.0
IV 200	71.2	87.1	90.1	92.9	95.7	96.6	98.1	98.9	99.2	99.3	99.8	99.9	100.0	100.0	100.0	100.0
IV 100	71.2	87.1	90.1	92.9	95.7	96.6	98.1	98.9	99.2	99.3	99.8	99.9	100.0	100.0	100.0	100.0
IV 0	71.2	87.1	90.1	92.9	95.7	96.6	98.1	98.9	99.2	99.3	99.8	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

646

USAF ETAC

FORM JUL 64

0-14-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

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PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	46.1	50.5	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.4	51.4	51.4
≥ 20000	49.6	54.5	55.2	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.7	55.7	55.7
≥ 18000	49.9	54.7	55.4	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.9	55.9	55.9
≥ 16000	49.9	54.7	55.4	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.9	55.9	55.9
≥ 14000	50.7	55.9	56.6	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.1	57.1	57.1
≥ 12000	52.2	57.6	58.4	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.9	58.9	58.9
≥ 10000	54.3	59.6	60.4	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.9	60.9	60.9
≥ 9000	55.4	60.9	61.7	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.2	62.2	62.2
≥ 8000	56.0	61.9	62.8	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.2	63.2	63.2
≥ 7000	57.7	63.9	64.8	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.2	65.2	65.2
≥ 6000	58.5	65.4	66.2	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.7	66.7	66.7
≥ 5000	60.6	68.3	69.1	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.6	69.6	69.6
≥ 4500	60.8	68.6	69.4	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.9	69.9	69.9
≥ 4000	62.3	70.8	71.9	72.1	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.6	72.6	72.6
≥ 3500	64.3	73.0	74.2	74.5	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.9	74.9	74.9
≥ 3000	66.0	75.2	76.4	76.7	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.2	77.2	77.2
≥ 2500	67.7	77.2	78.4	78.7	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.3	79.3	79.3
≥ 2000	68.6	79.3	80.6	81.1	81.4	81.7	81.8	81.9	81.9	81.9	81.9	81.9	81.9	82.0	82.0	82.0
≥ 1800	68.9	80.1	81.4	81.9	82.3	82.7	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.1	83.1	83.1
≥ 1500	69.7	82.2	83.6	84.3	84.8	85.2	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.6	85.6	85.6
≥ 1200	70.8	84.4	86.2	87.1	87.7	88.2	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.7	88.7	88.7
≥ 1000	71.3	85.8	87.6	88.8	89.5	90.0	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.4	90.4	90.4
≥ 900	71.4	86.4	88.2	89.4	90.1	90.5	90.8	90.9	90.9	90.9	90.9	90.9	90.9	91.0	91.0	91.0
≥ 800	71.6	87.2	89.0	90.4	91.1	91.6	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.1	92.1	92.1
≥ 700	72.0	88.5	90.4	92.0	92.7	93.1	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.9	93.9	93.9
≥ 600	72.0	88.8	90.8	92.4	93.4	93.9	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.6	94.6	94.6
≥ 500	72.0	89.2	91.3	93.7	95.0	95.5	96.1	96.6	96.6	96.7	96.7	96.7	96.7	96.8	96.8	96.8
≥ 400	72.0	89.5	91.6	94.2	95.5	96.0	96.6	97.0	97.4	97.5	97.5	97.5	97.5	97.6	97.6	97.6
≥ 300	72.0	89.5	91.6	94.2	95.6	96.1	96.8	97.5	97.9	98.1	98.1	98.1	98.1	98.2	98.7	98.7
≥ 200	72.0	89.5	91.7	94.4	96.0	96.5	97.2	97.9	98.3	98.8	98.8	98.8	98.8	98.9	99.2	99.6
≥ 100	72.0	89.5	91.7	94.4	96.0	96.5	97.2	97.9	98.3	98.8	98.8	98.8	98.8	99.1	99.3	100.0
≥ 0	72.0	89.5	91.7	94.4	96.0	96.5	97.2	97.9	98.3	98.8	98.8	98.8	98.8	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS

846

USAF ETAC

FORM
JUL 64

0-14-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69-70,73-80

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	43.1	48.0	49.8	50.9	51.5	51.8	51.9	51.9	51.9	52.1	52.4	52.4	52.5	52.5	52.6	52.7
≥ 20000	45.0	50.1	51.9	53.1	53.7	53.9	54.0	54.0	54.0	54.3	54.5	54.5	54.6	54.6	54.7	54.8
≥ 18000	45.0	50.1	51.9	53.1	53.7	53.9	54.0	54.0	54.0	54.3	54.5	54.5	54.6	54.6	54.7	54.8
≥ 16000	45.0	50.1	51.9	53.1	53.7	53.9	54.0	54.0	54.0	54.3	54.5	54.5	54.6	54.6	54.7	54.8
≥ 14000	45.0	50.1	51.9	53.1	53.7	53.9	54.0	54.0	54.0	54.3	54.5	54.5	54.6	54.6	54.7	54.8
≥ 12000	46.6	51.9	53.7	54.8	55.4	55.7	55.8	55.8	55.8	56.0	56.3	56.3	56.4	56.4	56.5	56.6
≥ 10000	50.0	55.4	57.2	58.4	59.0	59.2	59.3	59.3	59.3	59.6	59.8	59.8	59.9	59.9	60.0	60.2
≥ 9000	50.5	55.9	57.7	58.9	59.5	59.7	59.8	59.8	59.8	60.0	60.3	60.3	60.4	60.4	60.5	60.6
≥ 8000	51.5	57.0	58.7	59.9	60.5	60.8	60.9	60.9	60.9	61.1	61.3	61.3	61.5	61.5	61.6	61.7
≥ 7000	53.5	59.3	61.1	62.3	62.9	63.1	63.2	63.2	63.2	63.5	63.7	63.7	63.8	63.8	63.9	64.1
≥ 6000	55.1	61.0	62.8	63.9	64.5	64.8	64.9	64.9	64.9	65.1	65.4	65.4	65.5	65.5	65.6	65.7
≥ 5000	56.5	62.4	64.2	65.4	66.0	66.2	66.3	66.3	66.3	66.5	66.8	66.8	66.9	66.9	67.0	67.1
≥ 4500	56.9	63.5	65.4	66.5	67.3	67.5	67.6	67.6	67.6	67.8	68.1	68.1	68.2	68.2	68.3	68.4
≥ 4000	57.1	64.8	66.7	67.8	68.6	68.8	68.9	68.9	68.9	69.1	69.4	69.4	69.5	69.5	69.6	69.7
≥ 3500	57.9	66.1	68.1	69.4	70.1	70.3	70.4	70.4	70.4	70.7	70.9	70.9	71.0	71.0	71.2	71.3
≥ 3000	59.3	67.7	69.9	71.3	72.0	72.2	72.3	72.3	72.3	72.6	72.8	72.8	72.9	72.9	73.0	73.2
≥ 2500	61.6	70.4	72.6	74.0	74.7	74.9	75.1	75.1	75.1	75.3	75.5	75.5	75.7	75.7	75.8	75.9
≥ 2000	63.6	73.0	75.2	76.7	77.4	77.7	77.8	77.8	77.8	78.0	78.3	78.3	78.4	78.4	78.5	78.6
≥ 1800	63.7	73.2	75.4	77.0	77.7	77.9	78.0	78.0	78.0	78.3	78.5	78.5	78.6	78.6	78.7	78.8
≥ 1500	64.5	74.6	77.1	78.7	79.4	79.7	79.8	79.8	79.8	80.0	80.3	80.3	80.4	80.4	80.5	80.6
≥ 1200	66.1	77.2	79.8	81.8	82.5	82.7	82.9	82.9	82.9	83.1	83.3	83.3	83.5	83.5	83.6	83.7
≥ 1000	66.8	78.6	81.2	83.3	84.0	84.4	84.5	84.5	84.5	84.8	85.0	85.0	85.1	85.1	85.5	85.6
≥ 900	66.8	79.3	81.9	84.2	85.0	85.3	85.5	85.5	85.5	85.7	85.9	85.9	86.1	86.1	86.4	86.5
≥ 800	67.4	80.7	83.3	85.6	86.4	86.8	86.9	86.9	86.9	87.1	87.4	87.4	87.5	87.5	87.8	87.9
≥ 700	67.6	82.4	85.2	87.6	88.4	88.8	88.9	89.0	89.0	89.2	89.5	89.5	89.6	89.6	90.0	90.1
≥ 600	68.0	84.2	87.7	90.1	91.1	91.5	91.6	91.7	91.7	92.0	92.2	92.2	92.3	92.3	92.7	92.8
≥ 500	68.1	85.0	88.7	91.6	92.8	93.1	93.3	93.4	93.4	93.6	93.9	93.9	94.0	94.0	94.3	94.4
≥ 400	68.1	85.6	89.5	92.7	93.9	94.2	94.4	94.7	94.7	94.9	95.2	95.2	95.3	95.3	95.6	95.7
≥ 300	68.1	85.7	89.7	93.4	94.8	95.2	95.6	96.0	96.0	96.5	96.7	96.7	96.9	97.0	97.4	97.6
≥ 200	68.1	85.7	89.7	93.4	94.8	95.2	95.6	96.3	96.3	96.8	97.3	97.3	97.6	97.8	98.2	98.7
≥ 100	68.1	85.9	90.0	93.6	95.0	95.4	95.9	96.6	96.6	97.0	97.6	97.6	98.1	98.3	98.9	99.6
≥ 0	68.1	85.9	90.0	93.6	95.0	95.4	95.9	96.6	96.6	97.0	97.6	97.6	98.1	98.3	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS

846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69-70,73-80

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	37.9	42.6	43.7	44.5	45.2	45.3	45.6	45.7	45.7	45.9	46.1	46.2	46.4	46.6	46.9	47.9
≥ 20000	40.1	45.3	46.5	47.3	48.0	48.1	48.5	48.6	48.6	48.8	49.0	49.1	49.3	49.5	49.8	50.8
≥ 18000	40.2	45.4	46.6	47.4	48.2	48.3	48.6	48.7	48.7	48.9	49.1	49.2	49.4	49.6	50.0	50.9
≥ 16000	40.2	45.4	46.6	47.5	48.2	48.3	48.6	48.7	48.8	49.0	49.1	49.2	49.4	49.6	50.0	50.9
≥ 14000	40.7	46.0	47.2	48.0	48.7	48.8	49.2	49.3	49.3	49.5	49.7	49.8	50.0	50.2	50.5	51.5
≥ 12000	42.1	47.5	48.7	49.6	50.3	50.4	50.8	50.9	50.9	51.1	51.3	51.4	51.6	51.8	52.1	53.1
≥ 10000	44.2	49.9	51.2	52.0	52.8	52.9	53.3	53.4	53.4	53.6	53.8	53.9	54.1	54.3	54.7	55.7
≥ 9000	44.8	50.7	52.0	52.9	53.7	53.8	54.1	54.2	54.3	54.5	54.6	54.7	54.9	55.2	55.6	56.6
≥ 8000	46.0	52.2	53.5	54.4	55.2	55.3	55.7	55.8	55.9	56.1	56.2	56.3	56.5	56.8	57.2	58.2
≥ 7000	47.4	53.9	55.3	56.2	57.1	57.2	57.5	57.7	57.7	57.9	58.1	58.2	58.4	58.6	59.0	60.0
≥ 6000	48.6	55.4	56.8	57.8	58.7	58.8	59.2	59.3	59.4	59.6	59.7	59.8	60.0	60.3	60.7	61.7
≥ 5000	50.3	57.8	59.3	60.4	61.2	61.3	61.7	61.8	61.9	62.1	62.3	62.4	62.6	62.9	63.3	64.3
≥ 4500	51.0	59.0	60.5	61.6	62.5	62.6	63.0	63.1	63.2	63.4	63.6	63.7	63.9	64.2	64.6	65.6
≥ 4000	52.3	61.2	62.9	64.1	65.1	65.2	65.6	65.8	65.9	66.1	66.3	66.4	66.6	66.8	67.3	68.3
≥ 3500	53.5	63.1	65.0	66.3	67.3	67.5	67.9	68.1	68.2	68.4	68.6	68.7	68.9	69.1	69.6	70.6
≥ 3000	54.6	64.7	66.7	68.1	69.3	69.5	69.9	70.2	70.2	70.5	70.6	70.8	71.0	71.2	71.7	72.7
≥ 2500	55.9	66.8	68.8	70.3	71.4	71.7	72.2	72.4	72.5	72.8	72.9	73.1	73.3	73.5	74.0	75.0
≥ 2000	57.4	69.4	71.5	73.2	74.4	74.8	75.3	75.5	75.6	75.9	76.0	76.2	76.4	76.6	77.1	78.1
≥ 1800	58.0	70.3	72.4	74.1	75.3	75.7	76.2	76.5	76.6	76.9	77.0	77.2	77.4	77.6	78.1	79.1
≥ 1500	58.9	72.1	74.6	76.5	77.9	78.3	78.8	79.1	79.2	79.4	79.6	79.7	79.9	80.2	80.7	81.7
≥ 1200	59.8	74.4	77.0	79.3	80.8	81.2	81.8	82.1	82.2	82.5	82.7	82.8	83.0	83.2	83.7	84.8
≥ 1000	60.2	75.5	78.3	80.8	82.5	82.9	83.5	83.8	84.0	84.2	84.4	84.5	84.7	85.0	85.5	86.6
≥ 900	60.3	76.3	79.2	81.8	83.5	84.0	84.7	85.0	85.1	85.4	85.6	85.7	85.9	86.2	86.6	87.7
≥ 800	60.6	77.1	80.1	82.8	84.6	85.2	85.9	86.2	86.3	86.6	86.8	86.9	87.1	87.4	87.9	88.9
≥ 700	60.8	78.2	81.4	84.3	86.2	86.8	87.5	87.9	88.1	88.3	88.6	88.7	89.0	89.2	89.7	90.8
≥ 600	60.9	79.0	82.4	85.4	87.6	88.2	89.0	89.5	89.6	89.9	90.2	90.3	90.6	90.9	91.4	92.4
≥ 500	61.1	79.6	83.2	86.6	89.1	89.8	90.9	91.3	91.5	91.9	92.1	92.3	92.6	92.8	93.3	94.4
≥ 400	61.1	80.0	83.7	87.3	89.8	90.7	91.9	92.4	92.7	93.2	93.4	93.5	93.8	94.1	94.6	95.7
≥ 300	61.1	80.2	84.0	87.7	90.3	91.2	92.6	93.4	93.7	94.3	94.6	94.8	95.2	95.5	96.1	97.3
≥ 200	61.2	80.3	84.1	87.9	90.6	91.5	92.9	93.8	94.1	94.8	95.2	95.4	95.9	96.4	97.1	98.6
≥ 100	61.2	80.3	84.2	88.0	90.6	91.5	93.0	93.8	94.2	94.9	95.4	95.6	96.2	96.7	97.5	99.3
≥ 0	61.2	80.3	84.2	88.0	90.7	91.6	93.0	93.9	94.2	94.9	95.4	95.6	96.2	96.8	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS

6768

USAF ETAC FORM 0-14-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69-70,73-80

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	34.4	38.7	39.4	39.8	40.1	40.1	40.1	40.1	40.1	40.1	40.4	40.4	40.5	40.5	40.6	41.0
≥ 20000	38.2	42.7	43.3	43.8	44.1	44.1	44.1	44.1	44.1	44.1	44.4	44.4	44.5	44.5	44.6	45.2
≥ 18000	38.3	42.9	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.6	44.6	44.7	44.7	44.8	45.4
≥ 16000	38.3	42.9	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.6	44.6	44.7	44.7	44.8	45.4
≥ 14000	38.8	43.5	44.2	44.6	44.9	44.9	44.9	44.9	44.9	44.9	45.3	45.3	45.4	45.4	45.5	46.0
≥ 12000	39.6	44.6	45.3	45.7	46.0	46.0	46.0	46.0	46.0	46.0	46.3	46.3	46.5	46.5	46.6	47.1
≥ 10000	41.0	46.9	47.2	47.6	48.0	48.0	48.0	48.0	48.0	48.0	48.3	48.3	48.4	48.4	48.5	49.0
≥ 9000	42.3	47.7	48.5	48.9	49.2	49.2	49.2	49.2	49.2	49.2	49.6	49.6	49.7	49.7	49.8	50.3
≥ 8000	43.3	48.8	49.6	50.0	50.3	50.3	50.3	50.3	50.3	50.3	50.6	50.6	50.8	50.8	50.9	51.4
≥ 7000	43.8	49.6	50.3	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.4	51.4	51.5	51.5	51.6	52.2
≥ 6000	44.4	50.2	51.0	51.4	51.7	51.7	51.7	51.7	51.7	51.7	52.0	52.0	52.2	52.2	52.3	52.8
≥ 5000	45.6	51.7	52.5	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.5	53.5	53.7	53.7	53.8	54.3
≥ 4500	46.7	52.9	53.7	54.1	54.4	54.4	54.4	54.4	54.4	54.4	54.7	54.7	54.8	54.8	54.9	55.5
≥ 4000	48.3	54.6	55.4	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.5	56.5	56.6	56.6	56.7	57.2
≥ 3500	49.0	55.4	56.1	56.6	56.9	56.9	56.9	56.9	56.9	56.9	57.2	57.2	57.3	57.3	57.4	58.0
≥ 3000	49.6	56.5	57.3	57.7	58.1	58.1	58.2	58.2	58.2	58.2	58.5	58.5	58.6	58.6	58.7	59.2
≥ 2500	51.1	58.5	59.5	59.9	60.2	60.2	60.3	60.3	60.3	60.3	60.6	60.6	60.8	60.8	60.9	61.4
≥ 2000	52.6	60.3	61.7	62.3	62.6	62.6	62.8	62.8	62.8	62.8	63.1	63.1	63.2	63.2	63.3	63.9
≥ 1800	52.8	60.9	62.4	62.9	63.2	63.2	63.4	63.4	63.4	63.4	63.8	63.8	63.9	63.9	64.0	64.5
≥ 1500	54.1	63.0	64.5	65.1	65.4	65.4	65.6	65.6	65.6	65.6	65.9	65.9	66.0	66.0	66.1	66.7
≥ 1200	55.6	65.8	67.3	67.8	68.5	68.5	68.7	68.7	68.7	68.7	69.0	69.0	69.2	69.2	69.5	70.0
≥ 1000	57.0	68.8	70.4	71.1	71.8	71.8	72.0	72.0	72.0	72.0	72.4	72.4	72.6	72.6	72.8	73.3
≥ 900	58.1	71.6	73.3	74.0	74.7	74.7	74.9	74.9	74.9	74.9	75.3	75.3	75.5	75.5	75.7	76.2
≥ 800	58.3	73.9	75.6	76.2	77.0	77.0	77.2	77.2	77.2	77.2	77.5	77.5	77.7	77.7	77.7	78.5
≥ 700	58.7	76.6	78.8	79.6	80.5	80.5	80.8	80.8	80.8	80.8	81.1	81.1	81.3	81.3	81.5	82.0
≥ 600	59.5	80.1	82.8	83.8	84.8	84.8	85.1	85.1	85.1	85.1	85.4	85.4	85.6	85.6	85.8	86.5
≥ 500	59.7	82.2	85.3	86.6	87.8	87.8	88.1	88.1	88.2	88.3	88.6	88.7	89.1	89.1	89.4	90.0
≥ 400	59.7	82.7	86.2	88.0	89.5	89.5	89.7	89.7	89.7	89.9	90.0	90.4	90.5	91.1	91.1	91.9
≥ 300	59.7	82.9	86.6	88.5	90.2	90.3	90.6	90.6	91.0	91.4	92.2	92.6	93.2	93.2	93.4	94.3
≥ 200	59.7	82.9	86.8	88.7	90.4	90.5	91.1	91.2	91.6	92.3	93.2	93.8	94.5	94.7	95.2	96.3
≥ 100	59.7	82.9	86.8	88.7	90.4	90.5	91.2	91.5	92.4	93.2	94.2	94.7	95.8	96.3	97.2	98.9
≥ 0	59.7	82.9	86.8	88.7	90.4	90.5	91.2	91.5	92.4	93.2	94.2	94.7	95.8	96.3	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12936

ELLINGTON AFB TX

69-70,73-80

MAP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	31.7	34.3	34.7	35.3	35.9	36.2	36.6	37.1	37.1	37.3	37.4	37.4	37.4	37.7	38.1	38.6
IV 20000	34.1	37.6	38.1	38.7	39.4	39.7	40.0	40.5	40.5	40.8	40.9	40.9	40.9	41.2	41.5	42.7
IV 18000	34.1	37.6	38.1	38.7	39.4	39.7	40.0	40.5	40.5	40.8	40.9	40.9	40.9	41.3	41.6	42.2
IV 16000	34.1	37.6	38.1	38.7	39.4	39.7	40.0	40.5	40.5	40.8	40.9	40.9	40.9	41.3	41.6	42.2
IV 14000	34.2	38.1	38.5	39.1	39.8	40.1	40.4	41.0	41.0	41.2	41.3	41.3	41.3	41.7	42.0	42.6
IV 12000	35.2	39.5	39.9	40.5	41.2	41.5	41.8	42.4	42.4	42.6	42.7	42.7	42.7	43.1	43.4	44.0
IV 10000	36.3	40.8	41.2	41.8	42.6	42.9	43.2	43.8	43.8	44.0	44.1	44.1	44.1	44.5	44.8	45.4
IV 9000	37.3	41.9	42.4	43.0	43.8	44.1	44.4	44.9	44.9	45.2	45.3	45.3	45.3	45.7	46.0	46.6
IV 8000	39.5	44.3	44.7	45.4	46.1	46.5	46.8	47.3	47.3	47.5	47.6	47.6	47.6	48.1	48.4	48.9
IV 7000	39.9	44.9	45.4	46.0	46.8	47.1	47.4	48.0	48.0	48.2	48.3	48.3	48.3	48.7	49.0	49.6
IV 6000	40.5	45.7	46.1	46.8	47.5	47.8	48.2	48.7	48.7	48.9	49.0	49.0	49.0	49.5	49.8	50.3
IV 5000	41.8	47.4	48.0	48.6	49.4	49.7	50.0	50.5	50.5	50.8	50.9	50.9	50.9	51.3	51.6	52.2
IV 4500	42.3	48.1	48.6	49.2	50.0	50.3	50.6	51.2	51.2	51.4	51.5	51.5	51.5	51.9	52.3	52.8
IV 4000	43.5	49.7	50.3	51.1	51.8	52.2	52.5	53.0	53.0	53.2	53.3	53.3	53.3	53.8	54.1	54.6
IV 3500	44.4	51.0	51.6	52.4	53.1	53.4	53.8	54.3	54.3	54.5	54.6	54.6	54.6	55.1	55.4	55.9
IV 3000	44.9	51.6	52.4	53.1	53.9	54.3	54.6	55.2	55.2	55.4	55.5	55.5	55.5	55.9	56.2	56.8
IV 2500	45.2	53.1	53.9	54.9	55.7	56.1	56.5	57.0	57.0	57.2	57.3	57.3	57.3	57.7	58.1	58.6
IV 2000	47.4	56.2	57.2	58.3	59.0	59.5	59.8	60.4	60.4	60.6	60.8	60.8	60.8	61.2	61.5	62.0
IV 1800	47.8	57.0	58.0	59.0	59.8	60.2	60.5	61.2	61.2	61.4	61.5	61.5	61.5	61.9	62.3	62.8
IV 1500	48.8	58.8	59.9	61.2	62.2	62.6	63.0	63.7	63.7	63.9	64.0	64.0	64.0	64.4	64.7	65.3
IV 1200	49.9	62.0	63.4	64.7	65.8	66.2	66.7	67.4	67.4	67.6	67.7	67.7	67.7	68.2	68.5	69.0
IV 1000	50.4	64.4	65.9	67.3	68.4	68.9	69.4	70.1	70.1	70.3	70.4	70.4	70.4	70.9	71.2	71.7
IV 900	51.5	67.2	68.7	70.1	71.2	71.7	72.2	72.9	72.9	73.1	73.2	73.2	73.2	73.7	74.0	74.5
IV 800	52.0	69.5	71.2	72.8	74.0	74.5	74.9	75.7	75.7	75.9	76.0	76.0	76.0	76.5	76.9	77.4
IV 700	52.4	71.6	73.8	75.5	76.7	77.2	77.6	78.4	78.4	78.7	78.8	78.8	78.8	79.2	79.7	80.2
IV 600	52.6	74.2	76.8	79.0	80.3	80.9	81.4	82.2	82.3	82.6	82.7	82.7	82.7	83.1	83.7	84.2
IV 500	52.6	76.2	80.3	83.0	84.7	85.3	85.9	86.7	87.0	87.4	87.5	87.5	87.5	88.0	88.5	89.0
IV 400	52.6	76.9	81.6	84.5	86.5	87.1	87.7	88.6	88.9	89.5	89.8	89.8	89.9	90.3	90.9	91.4
IV 300	52.6	76.9	81.7	84.6	86.6	87.2	88.0	89.1	89.5	90.1	90.4	90.5	90.9	91.3	91.9	92.5
IV 200	52.6	76.9	81.8	84.7	86.9	87.5	88.4	89.9	90.3	91.4	91.9	92.2	92.9	93.4	94.7	95.9
IV 100	52.6	76.9	81.8	84.7	86.9	87.5	88.4	90.1	90.5	91.8	92.7	92.9	93.9	94.5	96.2	98.2
IV 0	52.6	76.9	81.8	84.7	86.9	87.5	88.4	90.1	90.5	91.8	92.8	93.0	94.1	94.7	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69-70,73-80

MAP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	22.0	28.4	29.2	30.5	31.5	31.9	32.6	32.8	32.8	33.2	33.3	33.3	33.5	33.8	34.1	34.5
≥ 20000	24.9	32.4	33.5	35.1	36.5	36.9	37.5	37.8	37.8	38.3	38.4	38.4	38.7	38.9	39.2	39.9
≥ 18000	24.9	32.4	33.5	35.1	36.5	36.9	37.5	37.8	37.8	38.3	38.4	38.4	38.7	38.9	39.2	39.9
≥ 16000	24.9	32.4	33.5	35.1	36.5	36.9	37.5	37.8	37.8	38.3	38.4	38.4	38.7	38.9	39.2	39.9
≥ 14000	25.1	32.5	33.7	35.2	36.7	37.1	37.7	38.2	38.2	38.6	38.7	38.7	39.0	39.2	39.6	40.2
≥ 12000	26.3	34.0	35.2	36.7	38.2	38.6	39.2	39.7	39.7	40.1	40.2	40.2	40.5	40.8	41.1	41.7
≥ 10000	27.4	35.3	36.5	38.0	39.5	39.9	40.5	41.0	41.0	41.4	41.5	41.5	41.8	42.0	42.4	43.0
≥ 9000	28.0	35.9	37.2	38.7	40.2	40.6	41.3	41.7	41.7	42.2	42.3	42.3	42.6	42.8	43.1	43.8
≥ 8000	28.8	37.6	39.0	40.5	42.0	42.6	43.2	43.7	43.7	44.1	44.2	44.2	44.5	44.7	45.1	45.7
≥ 7000	29.5	38.3	39.8	41.6	43.1	43.7	44.3	44.7	44.7	45.2	45.3	45.3	45.6	45.8	46.1	46.8
≥ 6000	30.1	39.5	41.0	42.8	44.3	44.8	45.5	45.9	45.9	46.3	46.5	46.5	46.8	47.0	47.3	48.0
≥ 5000	30.6	40.9	42.6	44.4	45.9	46.5	47.1	47.5	47.5	48.0	48.1	48.1	48.4	48.6	48.9	49.6
≥ 4500	31.3	41.7	43.4	45.5	47.1	47.6	48.3	48.7	48.7	49.1	49.2	49.2	49.6	49.8	50.1	50.8
≥ 4000	32.0	43.0	45.1	47.5	49.1	49.7	50.3	50.8	50.8	51.2	51.3	51.3	51.6	51.8	52.2	52.8
≥ 3500	32.7	44.1	46.2	48.8	50.6	51.2	51.9	52.4	52.4	52.8	53.0	53.0	53.3	53.5	53.9	54.5
≥ 3000	33.7	45.5	47.8	50.9	52.6	53.2	54.1	54.5	54.5	54.9	55.2	55.2	55.5	55.7	56.0	56.7
≥ 2500	34.1	46.7	49.1	51.9	54.1	54.7	55.6	56.0	56.0	56.5	56.7	56.7	57.0	57.2	57.5	58.2
≥ 2000	35.4	48.9	51.7	54.8	57.3	58.1	59.0	59.6	59.6	60.0	60.2	60.2	60.5	60.8	61.1	61.7
≥ 1800	35.8	50.2	53.0	56.1	58.8	59.7	60.6	61.2	61.2	61.6	61.8	61.8	62.2	62.4	62.7	63.3
≥ 1500	36.3	51.4	54.6	57.8	60.8	61.6	62.6	63.2	63.2	63.7	63.9	63.9	64.2	64.4	64.7	65.4
≥ 1200	37.0	53.8	57.2	60.5	63.5	64.5	65.6	66.2	66.2	66.7	66.9	66.9	67.2	67.4	67.8	68.5
≥ 1000	37.4	54.9	59.4	62.9	66.5	67.5	68.8	69.5	69.5	69.9	70.1	70.1	70.4	70.6	71.1	71.7
≥ 900	37.6	57.0	61.9	66.1	69.7	70.9	72.2	72.8	72.8	73.2	73.4	73.4	73.8	74.0	74.4	75.1
≥ 800	37.7	57.7	63.2	68.0	71.9	73.3	74.6	75.3	75.3	75.8	76.0	76.0	76.3	76.6	77.0	77.6
≥ 700	37.8	58.9	64.6	69.8	74.0	75.5	77.2	77.8	77.8	78.4	78.6	78.6	78.9	79.1	79.6	80.2
≥ 600	38.0	60.5	66.6	72.5	76.9	78.8	80.8	81.5	81.5	82.2	82.4	82.4	82.7	82.9	83.3	84.0
≥ 500	38.1	62.2	68.5	74.6	79.8	81.8	84.1	85.1	85.1	85.7	86.1	86.1	86.6	86.8	87.2	87.8
≥ 400	38.1	62.4	69.2	75.9	82.0	84.6	87.4	88.6	88.6	89.2	89.9	89.9	90.4	90.6	91.2	91.8
≥ 300	38.1	62.6	69.6	76.8	83.0	85.8	88.8	90.2	90.3	91.2	92.2	92.2	92.7	92.9	93.7	94.4
≥ 200	38.1	62.6	69.8	76.8	83.3	86.1	89.1	90.8	90.9	91.8	92.9	92.9	93.7	94.2	95.6	97.3
≥ 100	38.1	62.6	69.8	76.8	83.3	86.1	89.1	90.8	91.0	92.0	93.4	93.4	94.3	95.3	96.9	99.2
≥ 0	38.1	62.6	69.8	76.8	83.3	86.1	89.1	90.8	91.0	92.0	93.4	93.4	94.3	95.3	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS 931

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12476

ELLINGTON AFB TX

69-70,73-80

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	27.7	33.0	33.8	34.0	34.5	34.9	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥ 20000	31.0	37.6	38.5	38.7	39.2	39.7	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 18000	31.1	37.7	38.6	38.8	39.4	39.8	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 16000	31.1	38.0	38.8	39.0	39.6	40.0	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 14000	31.1	38.2	39.0	39.2	40.0	40.4	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 12000	32.4	39.9	40.8	41.0	41.7	42.2	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 10000	33.4	41.8	42.7	43.0	43.8	44.2	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 9000	33.9	42.3	43.1	43.4	44.2	44.6	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 8000	34.9	44.5	45.4	45.8	46.8	47.2	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 7000	35.5	45.2	46.0	46.5	47.5	48.0	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 6000	35.3	45.9	46.9	47.2	48.3	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 5000	37.5	48.4	49.2	49.7	50.8	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 4500	38.3	49.7	50.5	51.0	52.0	52.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 4000	39.6	51.4	52.6	53.0	54.1	54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 3500	40.2	52.9	54.1	54.5	55.6	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 3000	41.7	54.9	56.2	57.0	58.2	58.6	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 2500	43.5	57.6	59.0	59.8	61.1	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 2000	45.4	61.3	62.9	63.8	65.3	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 1800	46.3	62.7	64.3	65.3	66.9	67.4	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 1500	47.2	65.4	67.1	68.3	70.0	70.5	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 1200	48.1	70.2	72.3	73.7	75.6	76.1	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 1000	48.5	72.6	75.1	77.3	79.5	80.0	80.9	81.0	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 900	49.1	74.7	77.5	80.2	82.6	83.1	84.1	84.2	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 800	49.2	75.4	78.6	81.6	84.4	84.9	86.1	86.2	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 700	49.4	76.1	79.5	83.0	86.2	86.8	88.4	88.7	88.8	89.0	89.0	89.0	89.1	89.1	89.1	89.1
≥ 600	49.4	76.6	80.2	84.0	87.8	88.4	90.3	90.8	90.9	91.1	91.1	91.1	91.2	91.2	91.2	91.2
≥ 500	49.5	77.3	81.3	85.5	89.6	90.3	92.6	93.7	93.8	94.1	94.1	94.1	94.2	94.2	94.2	94.2
≥ 400	49.5	77.3	81.5	85.8	90.3	91.2	93.5	94.8	95.3	95.9	96.2	96.2	96.3	96.3	96.3	96.3
≥ 300	49.5	77.3	81.5	85.8	90.4	91.5	94.2	95.5	96.0	97.1	97.4	97.4	97.5	97.6	97.6	97.6
≥ 200	49.5	77.3	81.5	85.8	90.4	91.5	94.2	95.5	96.1	97.3	98.3	98.3	98.8	99.0	99.1	99.2
≥ 100	49.5	77.3	81.5	85.8	90.4	91.5	94.2	95.5	96.1	97.3	98.3	98.3	98.9	99.4	99.7	99.9
≥ 0	49.5	77.3	81.5	85.8	90.4	91.5	94.2	95.5	96.1	97.3	98.3	98.3	98.9	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12976

ELLINGTON AFB TX

69-70,73-80

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	32.9	35.3	35.4	35.8	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
≥ 20000	38.5	42.4	42.5	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 18000	38.5	42.4	42.5	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 16000	38.5	42.4	42.5	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 14000	38.5	42.4	42.5	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 12000	39.5	43.3	43.5	44.0	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 10000	40.9	44.9	45.2	45.6	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 9000	41.9	45.9	46.1	46.6	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 8000	43.5	47.8	48.1	48.5	48.7	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 7000	44.6	48.9	49.1	49.6	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 6000	45.3	50.0	50.2	50.6	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 5000	47.0	52.0	52.3	52.7	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 4500	48.6	54.4	54.6	55.1	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 4000	51.1	57.2	57.4	58.1	58.4	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 3500	52.4	58.7	58.9	59.6	59.9	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 3000	53.9	61.8	61.1	61.7	62.2	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 2500	55.9	64.8	65.9	66.3	66.9	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 2000	59.4	71.0	72.0	73.4	74.0	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 1800	60.0	72.9	74.1	75.5	76.0	76.2	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 1500	61.5	76.9	78.4	79.9	80.6	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1200	62.4	80.6	82.8	84.7	85.8	86.1	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 1000	62.6	82.3	84.6	86.6	88.0	88.5	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 900	62.6	83.2	85.8	88.0	89.6	90.1	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 800	62.6	83.7	86.5	88.6	90.3	91.0	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 700	62.6	84.3	87.7	89.5	91.4	92.6	93.5	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 600	62.6	84.4	87.5	90.0	92.0	93.3	94.7	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 500	62.9	84.6	88.1	90.6	92.9	94.5	95.9	96.3	96.5	96.5	96.5	96.5	96.6	96.6	96.6	96.6
≥ 400	62.9	85.1	88.7	91.4	94.0	95.9	97.6	98.1	98.2	98.2	98.2	98.2	98.3	98.3	98.4	98.4
≥ 300	62.9	85.1	88.7	91.4	94.0	95.9	97.6	98.2	98.3	98.4	98.5	98.5	98.6	98.7	98.8	98.8
≥ 200	62.9	85.1	88.7	91.4	94.0	95.9	97.6	98.2	98.3	98.4	98.5	98.5	98.7	99.2	99.5	99.5
≥ 100	62.9	85.1	88.7	91.4	94.0	95.9	97.6	98.2	98.3	98.4	98.6	98.6	98.8	99.6	99.8	100.0
≥ 0	62.9	85.1	88.7	91.4	94.0	95.9	97.6	98.2	98.3	98.4	98.6	98.8	99.6	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 93

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VIS

12906

ELLINGTON AFB TX

69-70,73-81

STATION

STATION NAME

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16
NO CEILING	37.8	40.5	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 20000	45.2	49.4	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 18000	45.2	49.7	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 16000	45.3	49.9	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 14000	45.4	50.0	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 12000	46.1	51.0	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 10000	47.7	53.1	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 9000	48.2	53.5	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 8000	49.4	55.1	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 7000	50.0	55.9	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 6000	50.5	56.7	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 5000	52.7	59.1	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 4500	53.3	60.2	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 4000	54.5	62.7	63.5	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 3500	56.1	64.4	65.4	65.4	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 3000	57.5	66.7	68.2	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 2500	59.2	69.8	71.3	71.7	72.0	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 2000	61.1	72.9	74.7	75.4	76.6	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 1800	61.4	74.1	76.3	77.2	78.7	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 1500	61.7	76.6	79.5	80.6	82.6	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1200	62.2	79.4	82.5	84.1	86.1	86.6	87.0	87.0	87.0	87.1	87.1	87.1	87.1	87.1
≥ 1000	62.3	80.6	83.8	86.0	88.3	89.0	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0
≥ 900	62.3	81.1	84.5	87.0	89.4	90.1	91.0	91.0	91.0	91.1	91.1	91.1	91.1	91.1
≥ 800	62.3	81.4	85.1	88.2	90.6	91.5	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6
≥ 700	62.3	81.9	85.9	89.4	91.8	92.7	94.0	94.1	94.1	94.2	94.2	94.2	94.2	94.2
≥ 600	62.4	82.2	86.1	89.8	92.4	93.2	94.6	94.9	94.9	95.1	95.1	95.1	95.1	95.1
≥ 500	62.4	82.3	86.2	90.1	92.9	94.2	96.3	96.8	96.8	97.0	97.0	97.0	97.0	97.0
≥ 400	62.4	82.3	86.2	90.1	92.9	94.5	97.0	97.8	98.0	98.5	98.6	98.6	98.6	98.6
≥ 300	62.4	82.3	86.2	90.1	93.0	94.6	97.2	98.2	98.4	99.0	99.2	99.2	99.2	99.2
≥ 200	62.4	82.3	86.2	90.1	93.0	94.6	97.3	98.4	98.6	99.6	99.9	99.9	99.9	99.9
≥ 100	62.4	82.3	86.2	90.1	93.0	94.6	97.3	98.4	98.6	99.6	99.9	99.9	99.9	99.9
≥ 50	62.4	82.3	86.2	90.1	93.0	94.6	97.3	98.4	98.6	99.6	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

1-64 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17976

ELLINGTON AFB TX

69-70,73-80

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	36.8	40.8	41.0	41.5	41.6	41.6	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 20000	43.5	48.9	49.1	50.0	50.2	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 18000	43.5	49.2	49.5	50.3	50.5	50.5	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 16000	43.7	49.4	49.6	50.4	50.6	50.6	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 14000	44.1	49.8	50.0	50.9	51.1	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 12000	44.9	51.2	51.4	52.3	52.5	52.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 10000	46.3	52.9	53.1	54.0	54.2	54.2	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 9000	46.9	53.4	53.7	54.5	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 8000	47.4	54.3	54.6	55.5	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 7000	48.6	55.8	56.2	57.1	57.4	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 6000	49.7	57.3	57.7	58.6	59.0	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 5000	51.1	58.8	59.2	60.1	60.5	60.5	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 4500	51.7	59.6	60.0	60.9	61.3	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 4000	52.4	61.1	61.6	62.6	63.0	63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 3500	53.5	62.6	63.4	64.4	64.8	64.8	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 3000	54.3	63.9	64.8	65.8	66.2	66.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 2500	55.3	65.7	66.7	68.0	68.4	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 2000	56.7	68.5	69.7	71.2	71.8	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 1800	56.9	69.8	71.0	72.5	73.3	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 1500	58.0	71.8	73.2	74.9	75.8	75.8	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 1200	59.1	75.5	77.2	79.4	80.3	80.3	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 1000	59.6	78.0	80.3	82.7	83.8	83.8	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 900	59.6	79.0	81.4	84.0	85.6	85.7	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 800	60.0	80.3	83.0	85.6	87.2	87.3	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 700	60.1	81.5	84.6	87.2	88.8	89.0	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 600	60.2	81.9	85.4	88.2	90.1	90.4	91.6	91.6	91.6	91.6	91.6	91.7	91.7	91.7	91.7	91.7
≥ 500	60.2	82.3	86.0	89.2	91.4	92.0	93.4	94.0	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1
≥ 400	60.2	82.6	86.7	90.2	93.1	94.0	95.5	96.6	96.6	96.7	96.7	96.8	96.9	96.9	96.9	96.9
≥ 300	60.2	82.8	86.9	90.6	93.5	94.6	96.1	97.5	97.6	98.2	98.2	98.3	98.6	98.6	98.6	98.6
≥ 200	60.2	82.8	86.9	90.6	93.5	94.6	96.1	97.5	97.6	98.3	98.4	98.7	99.2	99.2	99.2	99.2
≥ 100	60.2	82.8	86.9	90.6	93.5	94.6	96.1	97.5	97.6	98.3	98.4	98.7	99.6	99.7	99.7	100.0
≥ 0	60.2	82.8	86.9	90.6	93.5	94.6	96.1	97.5	97.6	98.3	98.4	98.7	99.6	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1976

ELLINGTON AFB TX

69-70,73-80

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	36.9	39.7	40.1	40.5	40.5	40.5	40.5	40.6	40.8	40.9	40.9	40.9	41.1	41.2	41.3	41.3
≥ 27000	41.1	44.2	44.6	45.1	45.1	45.1	45.1	45.2	45.3	45.4	45.4	45.4	45.6	45.7	45.8	45.8
≥ 18000	41.3	44.5	44.9	45.4	45.4	45.4	45.4	45.5	45.6	45.7	45.7	45.7	45.9	46.0	46.1	46.1
≥ 6000	41.3	44.5	44.9	45.4	45.4	45.4	45.4	45.5	45.6	45.7	45.7	45.7	45.9	46.0	46.1	46.1
≥ 14000	41.7	45.3	45.7	46.1	46.1	46.1	46.1	46.2	46.3	46.5	46.5	46.5	46.7	46.8	46.9	46.9
≥ 12000	42.8	46.5	46.9	47.3	47.3	47.3	47.3	47.4	47.5	47.6	47.6	47.6	47.8	48.0	48.1	48.1
≥ 10000	44.5	48.9	49.4	49.8	49.8	49.8	49.8	49.9	50.0	50.1	50.1	50.1	50.3	50.4	50.5	50.5
≥ 9000	45.4	49.8	50.2	50.6	50.6	50.6	50.6	50.8	50.9	51.0	51.0	51.0	51.2	51.3	51.4	51.4
≥ 8000	46.9	51.6	52.0	52.5	52.5	52.5	52.5	52.6	52.7	52.8	52.8	52.8	53.0	53.1	53.2	53.2
≥ 7000	47.5	52.8	53.2	53.7	53.7	53.7	53.7	53.8	53.9	54.0	54.0	54.0	54.2	54.3	54.4	54.4
≥ 6000	48.3	53.5	54.1	54.5	54.5	54.5	54.5	54.6	54.7	54.8	54.8	54.8	55.1	55.2	55.3	55.3
≥ 5000	49.4	55.2	55.7	56.1	56.1	56.1	56.1	56.2	56.3	56.5	56.5	56.5	56.7	56.8	56.9	56.9
≥ 4500	49.9	56.1	56.7	57.1	57.1	57.1	57.1	57.2	57.3	57.4	57.4	57.4	57.6	57.7	57.8	57.8
≥ 4000	51.2	57.6	58.3	58.8	58.8	58.8	58.8	58.9	59.0	59.1	59.1	59.1	59.4	59.5	59.6	59.6
≥ 3500	51.7	58.6	59.2	59.8	59.8	59.8	59.8	59.9	60.0	60.1	60.1	60.1	60.3	60.4	60.5	60.5
≥ 3000	52.5	60.2	61.1	61.5	61.5	61.5	61.5	61.6	61.7	61.8	61.8	61.8	62.0	62.2	62.3	62.3
≥ 2500	54.1	62.0	62.8	63.3	63.3	63.3	63.3	63.4	63.5	63.7	63.7	63.7	63.9	64.0	64.1	64.1
≥ 2000	55.2	64.2	64.9	65.5	65.6	65.6	65.6	65.7	65.8	65.9	65.9	65.9	66.1	66.2	66.3	66.3
≥ 1800	55.3	64.7	65.6	66.1	66.3	66.3	66.3	66.5	66.6	66.7	66.7	66.7	66.9	67.0	67.2	67.2
≥ 1500	56.5	67.2	68.2	68.7	68.9	68.9	68.9	69.0	69.1	69.2	69.2	69.2	69.5	69.6	69.8	69.8
≥ 1200	57.6	70.3	71.4	72.0	72.3	72.3	72.3	72.4	72.5	72.6	72.6	72.6	72.8	72.9	73.1	73.1
≥ 1000	58.8	73.9	75.2	75.8	76.0	76.0	76.0	76.1	76.2	76.3	76.3	76.3	76.6	76.7	76.9	76.9
≥ 900	59.1	76.5	77.7	78.4	78.6	78.6	78.6	78.7	78.8	78.9	78.9	78.9	79.1	79.2	79.5	79.5
≥ 800	60.1	78.6	79.9	80.6	81.0	81.0	81.1	81.2	81.3	81.4	81.4	81.4	81.6	81.7	81.9	81.9
≥ 700	60.9	81.8	83.4	84.2	84.6	84.6	84.7	84.8	84.9	85.1	85.1	85.1	85.3	85.4	85.6	85.6
≥ 600	61.0	83.8	86.0	87.1	87.7	87.7	87.8	88.0	88.1	88.2	88.2	88.2	88.4	88.5	88.7	88.7
≥ 500	61.1	85.2	88.1	89.6	90.4	90.4	90.8	90.9	91.0	91.2	91.2	91.2	91.4	91.5	91.7	91.7
≥ 400	61.3	85.9	89.0	90.9	92.4	92.5	92.9	93.4	93.5	93.8	93.8	93.8	94.1	94.2	94.5	94.5
≥ 300	61.3	86.3	89.9	91.8	93.7	93.8	94.2	94.8	94.9	95.2	95.2	95.2	95.6	95.7	96.0	96.0
≥ 200	61.3	86.3	89.9	91.8	93.8	93.9	94.5	95.2	95.3	95.7	95.8	95.8	96.5	96.8	97.2	97.6
≥ 100	61.3	86.3	89.9	91.8	93.8	94.0	94.6	95.3	95.5	96.0	96.2	96.3	97.3	98.0	98.4	99.7
≥ 0	61.3	86.3	89.9	91.8	93.8	94.0	94.6	95.3	95.5	96.0	96.2	96.3	97.3	98.0	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC

FORM
JUL 66

0-14-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69-70,73-80

MAP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	32.4	36.3	36.8	37.3	37.6	37.8	38.0	38.1	38.1	38.2	38.3	38.3	38.3	38.4	38.5	38.7
≥ 20000	37.0	41.9	42.4	43.0	43.4	43.6	43.8	43.9	43.9	44.0	44.0	44.0	44.1	44.2	44.3	44.5
≥ 18000	37.1	42.1	42.6	43.2	43.6	43.7	43.9	44.0	44.0	44.1	44.2	44.2	44.3	44.4	44.5	44.7
≥ 16000	37.1	42.1	42.7	43.2	43.7	43.8	44.0	44.1	44.1	44.2	44.3	44.3	44.4	44.4	44.6	44.8
≥ 14000	37.4	42.5	43.1	43.6	44.0	44.2	44.4	44.5	44.5	44.6	44.7	44.7	44.8	44.9	45.0	45.2
≥ 12000	38.3	43.7	44.3	44.9	45.3	45.5	45.6	45.8	45.8	45.9	46.0	46.0	46.0	46.1	46.2	46.5
≥ 10000	39.7	45.5	46.1	46.7	47.2	47.3	47.5	47.6	47.6	47.7	47.8	47.8	47.9	48.0	48.1	48.3
≥ 9000	40.5	46.3	46.9	47.5	48.0	48.1	48.3	48.4	48.4	48.5	48.6	48.6	48.7	48.8	48.9	49.1
≥ 8000	41.7	48.0	48.6	49.2	49.7	49.9	50.1	50.2	50.2	50.3	50.4	50.4	50.5	50.6	50.7	50.9
≥ 7000	42.4	48.9	49.6	50.2	50.7	50.9	51.1	51.2	51.2	51.3	51.4	51.4	51.5	51.6	51.7	51.9
≥ 6000	43.1	49.9	50.5	51.1	51.7	51.9	52.0	52.2	52.2	52.3	52.4	52.4	52.4	52.5	52.6	52.8
≥ 5000	44.4	51.7	52.4	53.0	53.6	53.7	53.9	54.1	54.1	54.2	54.2	54.2	54.3	54.4	54.5	54.7
≥ 4500	45.3	52.8	53.5	54.2	54.8	54.9	55.1	55.2	55.3	55.3	55.4	55.4	55.5	55.6	55.7	55.9
≥ 4000	46.6	54.7	55.5	56.3	56.9	57.1	57.2	57.4	57.4	57.5	57.6	57.6	57.6	57.7	57.8	58.1
≥ 3500	47.5	56.0	56.9	57.7	58.3	58.5	58.7	58.8	58.8	58.9	59.0	59.0	59.1	59.2	59.3	59.5
≥ 3000	48.5	57.5	58.6	59.5	60.1	60.3	60.6	60.7	60.7	60.8	60.9	60.9	61.0	61.1	61.2	61.4
≥ 2500	49.8	59.8	61.1	62.0	62.7	62.9	63.2	63.3	63.3	63.4	63.5	63.5	63.6	63.7	63.8	64.0
≥ 2000	51.6	62.9	64.4	65.6	66.5	66.8	67.1	67.2	67.2	67.3	67.4	67.4	67.5	67.6	67.7	67.9
≥ 1800	52.7	64.0	65.6	66.8	67.9	68.2	68.5	68.6	68.6	68.7	68.8	68.8	68.9	69.0	69.1	69.3
≥ 1500	53.0	66.4	68.2	69.6	70.8	71.1	71.4	71.6	71.6	71.7	71.8	71.8	71.9	72.0	72.1	72.3
≥ 1200	54.0	69.7	71.8	73.4	74.7	75.1	75.6	75.7	75.8	75.9	76.0	76.0	76.0	76.1	76.3	76.5
≥ 1000	54.6	71.9	74.3	76.2	77.8	78.2	78.8	79.0	79.1	79.2	79.3	79.3	79.4	79.5	79.6	79.8
≥ 900	55.0	73.8	76.4	78.5	80.2	80.6	81.3	81.5	81.5	81.7	81.7	81.7	81.8	81.9	82.1	82.3
≥ 800	55.3	75.1	77.9	80.2	82.1	82.6	83.3	83.5	83.6	83.7	83.8	83.8	83.9	84.0	84.1	84.4
≥ 700	55.5	76.6	79.7	82.3	84.3	84.9	85.8	86.1	86.1	86.3	86.4	86.4	86.5	86.6	86.7	87.0
≥ 600	55.7	78.0	81.4	84.3	86.5	87.2	88.3	88.6	88.7	88.9	89.0	89.0	89.1	89.2	89.3	89.6
≥ 500	55.8	79.0	83.0	86.2	88.7	89.6	90.9	91.4	91.5	91.8	91.9	91.9	92.1	92.2	92.3	92.6
≥ 400	55.8	79.4	83.7	87.1	90.1	91.2	92.7	93.5	93.6	94.0	94.2	94.2	94.4	94.6	94.8	95.0
≥ 300	55.8	79.5	83.9	87.4	90.6	91.7	93.3	94.3	94.5	95.1	95.4	95.5	95.8	95.9	96.2	96.5
≥ 200	55.8	79.5	84.0	87.5	90.7	91.8	93.5	94.6	94.8	95.6	96.1	96.3	96.8	97.1	97.6	98.1
≥ 100	55.8	79.5	84.0	87.5	90.7	91.9	93.6	94.7	95.0	95.8	96.5	96.6	97.4	97.8	98.5	99.5
≥ 0	55.8	79.5	84.0	87.5	90.7	91.9	93.6	94.7	95.0	95.8	96.5	96.7	97.4	97.9	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69-70,73-80

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ ⅓	≥ ¼	≥ 0
NO CEILING	33.2	43.2	41.8	42.8	43.7	43.9	44.3	44.6	44.7	44.8	44.9	44.9	45.0	45.4	45.8	46.1
≥ 20000	35.9	43.4	45.0	46.0	46.9	47.1	47.6	47.8	47.9	48.0	48.1	48.1	48.1	48.4	48.9	49.7
≥ 18000	35.9	43.4	45.0	46.0	46.9	47.1	47.6	47.8	47.9	48.0	48.1	48.1	48.1	48.4	48.9	49.7
≥ 6000	35.9	43.4	45.0	46.0	46.9	47.1	47.6	47.8	47.9	48.0	48.1	48.1	48.1	48.4	48.9	49.7
≥ 14000	35.9	43.4	45.0	46.0	46.9	47.1	47.6	47.8	47.9	48.0	48.1	48.1	48.1	48.4	48.9	49.7
≥ 12000	36.6	44.4	46.0	47.0	47.9	48.1	48.6	48.8	48.9	49.0	49.1	49.1	49.1	49.4	49.9	50.7
≥ 10000	37.2	45.6	47.2	48.3	49.3	49.6	50.0	50.3	50.6	50.7	50.8	50.8	51.1	51.6	52.0	52.3
≥ 9000	37.6	46.2	47.9	49.0	50.0	50.2	50.7	51.0	51.2	51.3	51.4	51.4	51.8	52.2	52.7	53.0
≥ 8000	39.0	48.0	49.7	50.8	51.8	52.0	52.4	52.8	53.0	53.1	53.2	53.2	53.6	54.0	54.4	54.6
≥ 7000	39.8	49.4	51.1	52.2	53.2	53.4	53.9	54.2	54.4	54.6	54.7	54.7	55.0	55.4	55.9	56.2
≥ 6000	41.2	51.4	53.1	54.2	55.2	55.4	55.9	56.2	56.4	56.6	56.7	56.7	57.0	57.4	57.9	58.2
≥ 5000	42.6	53.2	55.0	56.2	57.2	57.4	57.9	58.2	58.4	58.6	58.7	58.7	59.0	59.4	59.9	60.2
≥ 4500	43.1	53.8	55.6	56.8	57.8	58.0	58.4	58.8	59.0	59.1	59.2	59.2	59.6	60.0	60.4	60.8
≥ 4000	44.1	55.3	57.2	58.4	59.4	59.7	60.1	60.4	60.7	60.8	60.9	60.9	61.2	61.7	62.1	62.4
≥ 3500	44.6	55.8	57.7	59.0	60.0	60.2	60.7	61.0	61.2	61.3	61.4	61.4	61.8	62.2	62.7	63.0
≥ 3000	45.1	56.8	58.8	60.1	61.2	61.4	61.9	62.2	62.4	62.6	62.7	62.7	63.0	63.4	63.9	64.2
≥ 2500	45.7	58.0	60.0	61.3	62.4	62.7	63.1	63.4	63.7	63.8	63.9	63.9	64.2	64.7	65.1	65.4
≥ 2000	47.8	61.3	63.3	64.7	65.8	66.0	66.4	66.8	67.0	67.1	67.2	67.2	67.6	68.0	68.4	68.8
≥ 800	48.7	62.4	64.4	65.8	66.9	67.1	67.6	67.9	68.1	68.2	68.3	68.3	68.7	69.1	69.6	69.9
≥ 1500	50.2	65.0	67.0	68.3	69.4	69.7	70.1	70.4	70.7	70.8	70.9	70.9	71.2	71.7	72.1	72.4
≥ 1200	52.2	68.8	70.8	72.1	73.3	73.7	74.1	74.4	74.7	74.8	74.9	74.9	75.2	75.7	76.1	76.4
≥ 1000	53.2	71.4	73.6	74.9	76.2	76.6	77.0	77.3	77.6	77.7	77.8	77.8	78.2	78.7	79.1	79.4
≥ 900	53.8	74.8	77.1	78.4	79.8	80.1	80.6	80.9	81.1	81.2	81.3	81.3	81.8	82.2	82.7	83.0
≥ 800	54.6	77.6	80.1	81.4	82.8	83.1	83.6	83.9	84.1	84.2	84.3	84.3	84.8	85.2	85.7	86.0
≥ 700	55.1	80.1	82.9	84.3	85.9	86.2	86.7	87.0	87.2	87.3	87.4	87.4	87.9	88.3	88.8	89.1
≥ 600	55.3	80.7	83.6	85.1	86.8	87.1	87.6	87.9	88.1	88.2	88.3	88.3	88.8	89.2	89.7	90.0
≥ 500	55.3	81.9	85.9	87.9	89.9	90.2	90.7	91.0	91.2	91.4	91.6	91.6	92.0	92.4	92.9	93.2
≥ 400	55.3	82.9	87.2	89.8	92.0	92.4	93.1	93.4	93.7	93.9	94.0	94.0	94.4	94.9	95.3	95.7
≥ 300	55.3	82.9	87.2	90.1	92.4	92.9	93.6	93.9	94.3	94.8	95.0	95.1	95.6	96.1	96.8	97.3
≥ 200	55.3	82.9	87.2	90.1	92.4	92.9	93.7	94.1	94.8	95.6	95.8	95.9	96.4	97.0	97.7	98.2
≥ 100	55.3	82.9	87.2	90.1	92.4	92.9	93.7	94.1	94.8	96.0	96.3	96.4	97.1	98.4	99.2	99.8
≥ 0	55.3	82.9	87.2	90.1	92.4	92.9	93.7	94.1	94.8	96.0	96.3	96.4	97.1	98.4	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69-70,73-80

APP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1300-0500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING ≥ 20000	28.8	35.4	36.9	37.9	38.6	38.6	38.7	39.0	39.0	39.1	39.6	39.8	40.2	40.4	40.7	42.2
≥ 18000	30.7	38.1	39.7	40.7	41.3	41.3	41.4	41.8	41.8	41.9	42.3	42.6	43.0	43.2	43.4	45.1
≥ 16000	30.7	38.1	39.7	40.7	41.3	41.3	41.4	41.8	41.8	41.9	42.3	42.6	43.0	43.2	43.4	45.1
≥ 14000	30.7	38.1	39.7	40.7	41.3	41.3	41.4	41.8	41.8	41.9	42.3	42.6	43.0	43.2	43.4	45.1
≥ 12000	31.1	38.7	40.2	41.2	41.9	41.9	42.0	42.3	42.3	42.4	42.9	43.1	43.6	43.8	44.0	45.7
≥ 10000	32.9	40.7	42.3	43.3	44.0	44.0	44.2	44.7	44.8	45.0	45.4	45.7	46.1	46.3	46.6	48.2
≥ 9000	32.9	40.8	42.4	43.4	44.1	44.1	44.3	44.8	44.9	45.1	45.6	45.8	46.2	46.4	46.7	48.3
≥ 8000	34.0	41.9	43.6	44.6	45.2	45.2	45.4	45.9	46.1	46.2	46.7	46.9	47.3	47.6	47.8	49.4
≥ 7000	34.6	43.0	44.7	45.7	46.3	46.3	46.6	47.0	47.1	47.3	47.8	48.0	48.4	48.7	48.9	50.6
≥ 6000	35.7	43.9	45.6	46.6	47.2	47.2	47.4	47.9	48.0	48.2	48.7	48.9	49.3	49.6	49.8	51.4
≥ 5000	36.8	45.4	47.1	48.1	49.2	49.2	49.4	49.9	50.0	50.2	50.7	50.9	51.3	51.6	51.8	53.4
≥ 4500	37.3	46.1	47.8	49.0	49.9	49.9	50.1	50.6	50.7	50.9	51.3	51.6	52.0	52.2	52.4	54.1
≥ 4000	38.1	47.1	48.9	50.2	51.1	51.1	51.3	51.8	51.9	52.1	52.6	52.8	53.2	53.4	53.7	55.3
≥ 3500	38.8	47.9	49.7	51.1	52.0	52.0	52.2	52.7	52.8	53.0	53.4	53.7	54.1	54.3	54.6	56.2
≥ 3000	39.3	49.8	51.6	53.1	54.0	54.0	54.2	54.7	54.8	55.0	55.4	55.7	56.1	56.3	56.6	58.2
≥ 2500	41.0	52.0	53.9	55.6	56.4	56.4	56.7	57.1	57.2	57.4	57.9	58.1	58.6	58.8	59.0	60.7
≥ 2000	43.3	56.4	58.2	60.0	60.9	60.9	61.2	61.7	61.8	62.1	62.4	62.7	63.1	63.3	63.6	65.2
≥ 1800	43.9	57.6	59.3	61.1	62.0	62.0	62.3	62.8	62.9	63.1	63.6	63.8	64.2	64.4	64.7	66.3
≥ 1500	45.7	60.2	62.3	64.3	65.4	65.4	65.8	66.2	66.3	66.6	67.0	67.2	67.7	67.9	68.1	69.8
≥ 1200	47.4	64.1	66.9	69.0	70.1	70.1	70.4	70.9	71.0	71.2	71.7	71.9	72.3	72.6	72.8	74.4
≥ 1000	48.7	68.4	70.8	73.0	74.2	74.2	74.6	75.1	75.2	75.6	76.0	76.2	76.7	76.9	77.1	78.8
≥ 900	49.2	70.4	72.9	75.2	76.4	76.4	76.8	77.3	77.4	77.8	78.2	78.4	78.9	79.1	79.3	81.0
≥ 800	49.3	72.3	74.9	77.4	78.7	78.7	79.0	79.6	79.7	80.0	80.4	80.7	81.1	81.3	81.6	83.2
≥ 700	49.8	74.4	77.1	79.9	81.1	81.1	81.7	82.3	82.4	82.9	83.3	83.6	84.0	84.2	84.4	86.1
≥ 600	50.3	76.1	79.0	81.9	83.3	83.3	84.1	84.8	84.9	85.4	85.9	86.1	86.6	86.8	87.0	88.7
≥ 500	50.3	76.8	80.0	83.3	84.9	84.9	85.8	86.6	86.7	87.3	87.8	88.0	88.4	88.7	88.9	90.6
≥ 400	50.3	77.4	80.9	85.2	87.0	87.0	88.0	88.9	89.0	89.7	90.1	90.3	90.8	91.0	91.2	92.9
≥ 300	50.3	77.8	81.3	86.1	87.9	88.1	89.1	90.1	90.3	91.3	92.0	92.2	92.8	93.1	93.6	95.6
≥ 200	50.3	77.8	81.3	86.2	88.1	88.4	89.8	90.9	91.2	92.4	93.2	93.8	94.3	94.8	95.3	97.3
≥ 100	50.3	77.8	81.3	86.2	88.1	88.4	89.8	90.9	91.2	92.6	93.3	94.0	94.7	95.7	96.7	99.3
≥ 0	50.3	77.8	81.3	86.2	88.1	88.4	89.8	90.9	91.2	92.6	93.3	94.0	94.7	95.7	96.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12976

ELLINGTON AFB TX

69-70,73-80

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1600-0800

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	17.8	29.4	31.9	34.9	37.0	37.6	38.4	38.7	38.7	39.0	39.2	39.4	39.7	39.9	40.1	41.4
≥ 20000	19.7	33.4	36.2	40.2	42.4	43.0	44.0	44.2	44.2	44.8	45.0	45.2	45.4	45.8	46.0	47.3
≥ 18000	19.7	33.4	36.2	40.2	42.4	43.0	44.0	44.2	44.2	44.8	45.0	45.2	45.4	45.8	46.0	47.3
≥ 16000	19.7	33.4	36.2	40.2	42.4	43.0	44.0	44.2	44.2	44.8	45.0	45.2	45.4	45.8	46.0	47.3
≥ 14000	19.7	34.0	36.8	40.8	43.0	43.6	44.6	44.8	44.8	45.3	45.6	45.8	46.0	46.3	46.6	47.9
≥ 12000	20.0	34.4	37.3	41.3	43.6	44.1	45.1	45.3	45.3	45.9	46.1	46.3	46.6	46.9	47.1	48.4
≥ 10000	20.6	35.4	38.4	42.4	44.8	45.4	46.4	46.7	46.8	47.3	47.6	47.8	48.0	48.3	48.6	49.9
≥ 9000	20.6	35.7	38.7	42.7	45.0	45.7	46.7	46.9	47.1	47.6	47.8	48.0	48.2	48.6	48.8	51.1
≥ 8000	20.8	36.7	39.7	43.9	46.3	47.0	48.1	48.3	48.4	49.1	49.3	49.6	49.8	50.2	50.4	51.9
≥ 7000	21.6	38.4	41.4	45.7	48.1	48.8	49.9	50.1	50.2	50.9	51.1	51.3	51.6	52.0	52.2	53.7
≥ 6000	22.1	39.6	42.7	47.1	49.6	50.2	51.3	51.6	51.7	52.3	52.6	52.8	53.0	53.4	53.7	55.1
≥ 5000	23.3	41.0	44.1	48.6	51.1	51.9	53.0	53.2	53.3	54.0	54.2	54.4	54.7	55.2	55.4	56.9
≥ 4500	23.4	41.9	45.1	49.7	52.2	53.1	54.1	54.3	54.4	55.1	55.3	55.6	55.8	56.3	56.6	58.0
≥ 4000	24.1	43.7	47.1	51.7	54.3	55.1	56.2	56.6	56.7	57.3	57.6	57.8	58.0	58.6	58.8	60.2
≥ 3500	24.6	44.6	48.1	52.9	55.7	56.4	57.6	57.9	58.0	58.7	58.9	59.1	59.3	59.9	60.1	61.6
≥ 3000	24.8	45.4	49.1	54.0	56.8	57.7	58.9	59.2	59.3	60.1	60.3	60.6	60.8	61.3	61.6	63.0
≥ 2500	25.4	47.7	51.4	56.8	59.8	60.7	61.9	62.2	62.3	63.1	63.3	63.6	63.8	64.3	64.6	66.0
≥ 2000	26.3	49.4	53.4	59.0	62.2	63.1	64.4	64.8	64.9	65.7	65.9	66.1	66.3	66.9	67.1	68.6
≥ 1800	26.0	50.1	54.2	59.8	63.0	63.9	65.2	65.6	65.7	66.6	66.8	67.0	67.2	67.8	68.1	69.4
≥ 1500	26.6	53.1	57.7	63.7	67.1	68.0	69.4	69.8	69.9	70.8	71.0	71.2	71.4	72.0	72.2	73.7
≥ 1200	27.2	56.7	61.9	68.4	72.2	73.3	74.9	75.2	75.3	76.4	76.7	76.9	77.1	77.7	77.9	79.3
≥ 1000	27.7	58.4	63.7	70.7	74.7	75.8	77.6	77.9	78.0	79.1	79.3	79.6	79.8	80.3	80.6	82.0
≥ 900	27.6	59.4	65.8	72.8	76.9	78.1	80.1	80.4	80.6	81.8	82.0	82.2	82.4	83.0	83.2	84.7
≥ 800	27.8	61.1	67.3	74.4	78.8	80.1	82.2	82.6	82.7	83.9	84.1	84.3	84.6	85.1	85.3	86.8
≥ 700	27.8	61.8	68.2	76.0	80.6	81.9	84.1	85.0	85.1	86.3	86.6	86.8	87.0	87.6	87.8	89.2
≥ 600	27.9	62.6	69.2	77.1	81.7	83.0	85.4	86.3	86.4	87.9	88.2	88.4	88.7	89.2	89.4	90.9
≥ 500	28.0	63.2	70.2	78.2	82.9	84.6	87.4	88.6	88.7	90.1	90.4	90.7	90.9	91.7	91.9	93.3
≥ 400	28.0	63.3	70.4	78.7	83.8	85.8	88.9	90.1	90.2	91.7	92.0	92.2	92.6	93.3	93.6	95.0
≥ 300	28.0	63.3	70.4	78.7	84.3	86.6	90.3	91.8	92.0	93.7	94.1	94.3	94.7	95.4	95.7	97.1
≥ 200	28.0	63.3	70.4	78.7	84.3	86.6	90.4	91.9	92.1	94.0	94.7	94.9	95.8	96.7	97.1	98.8
≥ 100	28.0	63.3	70.4	78.7	84.3	86.6	90.4	91.9	92.1	94.0	94.7	94.9	95.8	96.8	97.7	99.7
≥ 0	28.0	63.3	70.4	78.7	84.3	86.6	90.4	91.9	92.1	94.0	94.7	94.9	95.8	96.8	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69-70,73-80

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY: STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO. CEILINGS	28.5	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.5	40.5	40.5	40.5	40.5
≥ 20000	31.9	44.7	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.2	45.2	45.2	45.2	45.2
≥ 18000	31.9	44.7	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.2	45.2	45.2	45.2	45.2
≥ 16000	31.9	44.7	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.2	45.2	45.2	45.2	45.2
≥ 14000	32.3	45.1	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.5	45.5	45.5	45.5	45.5
≥ 12000	32.7	46.4	46.8	46.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.2	47.2	47.2	47.2	47.2
≥ 10000	34.7	48.9	49.6	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.9	49.9	49.9	49.9	49.9
≥ 9000	34.7	49.1	49.7	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	50.1	50.1	50.1	50.1	50.1
≥ 8000	35.6	50.9	51.6	51.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	52.1	52.1	52.1	52.1	52.1
≥ 7000	36.4	52.4	53.1	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.5	53.5	53.5	53.5	53.5
≥ 6000	37.4	53.9	54.4	54.7	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2
≥ 5000	38.3	55.7	56.4	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	57.0	57.0	57.0	57.0	57.0
≥ 4500	38.4	56.4	57.1	57.3	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8
≥ 4000	39.6	59.7	59.7	60.0	60.3	60.3	60.4	60.6	60.6	60.6	60.6	60.7	60.7	60.7	60.7	60.7
≥ 3500	40.3	61.2	61.2	61.4	61.7	61.7	61.8	62.1	62.1	62.1	62.1	62.2	62.2	62.2	62.2	62.2
≥ 3000	40.7	61.7	62.8	63.2	63.7	63.7	63.8	64.1	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2
≥ 2500	41.9	64.4	65.6	66.3	66.5	66.5	66.6	66.9	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.0
≥ 2000	44.5	69.5	70.9	71.3	72.1	72.1	72.2	72.4	72.4	72.4	72.4	72.5	72.5	72.5	72.5	72.5
≥ 1800	45.4	72.0	73.3	73.7	74.6	74.6	74.7	75.0	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.1
≥ 1500	46.8	76.5	78.2	78.8	79.6	79.6	79.8	80.3	80.3	80.3	80.3	80.4	80.4	80.4	80.4	80.4
≥ 1200	47.6	81.3	83.1	83.9	85.1	85.1	85.4	86.0	86.0	86.0	86.1	86.2	86.2	86.2	86.2	86.2
≥ 1000	48.6	84.6	87.0	88.1	89.3	89.4	89.8	90.3	90.3	90.3	90.4	90.5	90.5	90.5	90.5	90.5
≥ 900	48.8	86.0	88.4	89.1	91.2	91.3	91.7	92.2	92.2	92.2	92.3	92.4	92.4	92.4	92.4	92.4
≥ 800	48.9	86.4	89.0	90.3	92.1	92.2	92.5	93.1	93.1	93.1	93.2	93.3	93.3	93.3	93.3	93.3
≥ 700	49.1	87.0	89.5	91.0	93.0	93.2	93.5	94.1	94.1	94.1	94.2	94.3	94.3	94.3	94.3	94.3
≥ 600	49.1	87.3	90.0	91.8	94.0	94.4	95.3	96.0	96.0	96.0	96.1	96.2	96.2	96.2	96.2	96.2
≥ 500	49.3	87.7	90.5	92.4	94.8	95.4	96.4	97.2	97.2	97.2	97.4	97.6	97.6	97.6	97.6	97.6
≥ 400	49.3	87.8	90.8	92.7	95.0	96.0	97.4	98.4	98.4	98.6	98.8	98.9	98.9	98.9	98.9	98.9
≥ 300	49.3	87.8	90.8	92.7	95.0	96.0	97.4	98.6	98.7	98.8	99.1	99.2	99.2	99.4	99.4	99.4
≥ 200	49.3	87.8	90.8	92.7	95.0	96.0	97.4	98.6	98.7	98.8	99.3	99.4	99.6	99.8	99.8	99.8
≥ 100	49.3	87.8	90.8	92.7	95.0	96.0	97.4	98.6	98.7	98.8	99.3	99.4	99.7	99.9	99.9	99.9
≥ 0	49.3	87.8	90.8	92.7	95.0	96.0	97.4	98.6	98.7	98.8	99.3	99.4	99.7	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

899

USAF ETAC

FORM
JUL 64

0-14-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17906

ELLINGTON AFB TX

69-70,73-87

APP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	35.4	42.2	42.4	42.9	43.0	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 20000	41.7	50.4	50.7	51.1	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 18000	42.1	50.9	51.1	51.6	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 16000	42.1	50.9	51.1	51.6	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 14000	42.2	51.0	51.2	51.7	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 12000	42.6	52.3	52.6	53.0	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 10000	44.0	53.8	54.0	54.6	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 9000	44.1	54.0	54.2	54.8	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 8000	45.3	55.9	56.1	56.7	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 7000	46.4	57.4	57.7	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 6000	47.1	58.6	58.9	59.6	59.8	59.9	59.9	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 5000	48.3	59.6	60.7	60.7	60.9	61.0	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 4500	48.7	60.2	61.7	61.3	61.6	61.7	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 4000	50.2	62.4	63.7	63.8	64.2	64.3	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 3500	51.2	64.3	64.9	65.7	66.1	66.2	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 3000	52.8	67.9	68.4	69.2	69.7	69.8	69.8	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 2500	56.6	73.2	74.0	75.0	75.6	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 2000	58.8	77.7	78.6	79.6	80.2	80.3	80.3	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 1800	59.3	79.9	80.8	81.8	82.4	82.6	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 1500	60.8	83.4	84.9	86.1	87.0	87.1	87.2	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 1200	61.1	86.8	88.4	90.1	91.2	91.3	91.6	91.7	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1000	62.1	88.1	90.0	91.9	93.0	93.1	93.3	93.6	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 900	62.2	88.8	91.9	93.1	94.2	94.3	94.8	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 800	62.3	89.2	91.3	93.7	94.9	95.1	95.7	95.9	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 700	62.3	89.2	91.4	93.9	95.1	95.4	96.0	96.2	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 600	62.3	89.2	91.6	94.1	95.3	95.8	96.4	96.7	96.7	97.1	97.3	97.3	97.3	97.3	97.3	97.3
≥ 500	62.3	89.2	91.7	94.1	95.9	96.4	97.2	97.4	97.6	98.1	98.4	98.4	98.4	98.4	98.4	98.4
≥ 400	62.3	89.2	91.7	94.3	96.2	97.0	98.0	98.3	98.4	99.2	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	62.3	89.2	91.7	94.3	96.2	97.0	98.0	98.3	98.7	99.4	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	62.3	89.2	91.7	94.3	96.2	97.0	98.0	98.3	98.7	99.4	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	62.3	89.2	91.7	94.3	96.2	97.0	98.0	98.3	98.7	99.4	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	62.3	89.2	91.7	94.3	96.2	97.0	98.0	98.3	98.7	99.6	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69-70,73-80

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	39.9	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 20000	46.8	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 18000	46.9	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 16000	47.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 14000	47.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 12000	48.3	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 10000	49.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 9000	50.4	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 8000	52.0	61.2	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 7000	53.1	62.6	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 6000	54.7	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 5000	56.6	67.2	67.6	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 4500	57.1	67.8	68.1	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 4000	58.2	69.6	69.9	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 3500	59.4	71.3	71.6	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 3000	60.7	74.1	74.7	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 2500	62.6	77.6	78.2	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 2000	64.2	81.4	82.3	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 1800	65.1	83.4	84.4	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1500	66.1	86.6	87.6	88.6	88.8	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1200	66.6	89.4	90.7	91.9	92.3	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1000	66.9	90.8	92.2	93.6	94.0	94.1	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 900	67.0	91.2	92.9	94.2	94.7	94.8	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 800	67.1	91.8	93.6	95.0	95.8	95.9	96.3	96.4	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	67.2	92.2	94.1	95.1	96.6	96.7	97.1	97.3	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 600	67.2	92.3	94.2	95.9	97.0	97.1	97.6	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500	67.2	92.6	94.4	96.2	97.4	97.7	98.4	98.7	98.8	99.0	99.0	99.0	99.1	99.1	99.1	99.1
≥ 400	67.2	92.6	94.4	96.2	97.4	97.7	98.7	99.1	99.2	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 300	67.2	92.6	94.4	96.2	97.4	97.7	98.7	99.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 200	67.2	92.6	94.4	96.2	97.4	97.7	98.7	99.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	67.2	92.6	94.4	96.2	97.4	97.7	98.7	99.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	67.2	92.6	94.4	96.2	97.4	97.7	98.7	99.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12926

ELLINGTON AFB TX

69-70,73-80

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	38.3	46.0	46.9	47.2	47.2	47.2	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 20000	43.0	53.0	54.0	54.3	54.4	54.4	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 18000	43.1	53.1	54.1	54.4	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 16000	43.2	53.2	54.2	54.4	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 14000	43.7	54.1	55.1	55.4	55.6	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 12000	45.1	55.8	56.8	57.2	57.3	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 10000	45.9	57.6	58.7	59.1	59.3	59.3	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 9000	45.9	57.7	58.8	59.2	59.4	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 8000	47.0	59.1	60.2	60.7	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 7000	47.2	59.8	60.9	61.4	62.0	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 6000	48.3	61.2	62.3	62.9	63.4	63.4	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 5000	49.6	63.2	64.6	65.1	65.7	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 4500	50.2	64.1	65.4	66.0	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 4000	51.4	66.0	67.4	68.0	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 3500	52.4	67.8	69.2	69.8	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 3000	53.3	69.7	71.1	71.8	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 2500	53.9	71.2	72.7	73.3	73.9	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 2000	55.4	74.8	76.4	77.2	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 1800	56.3	76.3	78.2	79.0	79.8	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 1500	57.3	78.7	81.0	81.8	82.6	82.6	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 1200	58.0	82.0	84.6	85.4	86.3	86.4	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1000	58.8	84.8	87.7	88.8	89.7	89.9	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 900	58.8	85.8	88.9	90.2	91.2	91.4	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 800	58.9	87.2	90.6	92.0	93.1	93.3	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 700	58.9	87.8	91.2	92.9	94.4	94.7	94.9	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 600	58.9	88.1	91.6	93.4	95.0	95.2	95.6	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 500	58.9	88.4	91.9	94.3	96.1	96.3	96.9	97.3	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 400	58.9	88.6	92.1	94.8	96.9	97.2	98.0	98.4	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 300	58.9	88.6	92.1	95.1	97.2	97.6	98.6	99.0	99.0	99.3	99.3	99.3	99.4	99.4	99.6	99.6
≥ 200	58.9	88.6	92.1	95.1	97.2	97.6	98.6	99.0	99.0	99.3	99.3	99.3	99.4	99.4	99.7	99.7
≥ 100	58.9	88.7	92.2	95.2	97.3	97.7	98.7	99.1	99.1	99.4	99.4	99.4	99.6	99.6	99.8	99.8
≥ 0	58.9	88.7	92.2	95.2	97.3	97.7	98.7	99.1	99.1	99.4	99.4	99.4	99.6	99.6	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69-70,73-80

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	40.9	47.3	48.2	48.9	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.9	49.9
≥ 20000	43.4	50.3	51.2	51.9	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.9	52.9
≥ 18000	43.4	50.3	51.2	51.9	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.9	52.9
≥ 16000	43.4	50.3	51.2	51.9	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.9	52.9
≥ 14000	43.8	50.7	51.6	52.2	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.2	53.2
≥ 12000	44.5	51.4	52.3	53.0	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	54.0	54.0
≥ 10000	45.3	52.9	53.8	54.5	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.5	55.5
≥ 9000	45.4	53.0	53.9	54.6	55.3	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.6	55.6
≥ 8000	46.3	54.2	55.1	55.8	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.8	56.8
≥ 7000	47.7	56.0	56.9	57.6	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.6	58.6
≥ 6000	49.1	57.5	58.4	59.0	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	60.0	60.0
≥ 5000	50.3	59.1	60.0	60.7	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.7	61.7
≥ 4500	50.8	60.0	60.9	61.6	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.6	62.6
≥ 4000	51.6	61.5	62.6	63.4	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.4	64.4
≥ 3500	52.6	63.0	64.3	65.0	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	66.0	66.0
≥ 3000	53.3	64.6	65.8	66.6	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.6	67.6
≥ 2500	54.1	66.5	67.7	68.5	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.5	69.5
≥ 2000	55.7	69.2	70.5	71.4	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.4	72.4
≥ 1800	56.5	70.5	71.8	72.7	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.7	73.7
≥ 1500	57.8	72.7	74.1	74.9	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	76.1	76.1
≥ 1200	59.7	75.8	77.2	78.1	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.2	79.2
≥ 1000	60.4	78.6	80.0	81.0	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.1	82.1
≥ 900	61.2	81.6	83.1	84.2	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.3	85.3
≥ 800	61.9	84.2	86.0	87.2	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.3	88.3
≥ 700	62.4	86.9	88.8	90.0	91.0	91.1	91.1	91.1	91.1	91.1	91.2	91.2	91.2	91.2	91.3	91.3
≥ 600	62.5	87.4	89.6	91.0	92.0	92.1	92.1	92.1	92.1	92.1	92.2	92.2	92.2	92.3	92.4	92.4
≥ 500	62.5	89.1	92.1	93.8	94.9	95.0	95.0	95.0	95.0	95.0	95.2	95.2	95.2	95.3	95.4	95.4
≥ 400	62.6	89.2	92.4	94.9	96.3	96.7	96.8	96.9	96.9	96.9	97.2	97.2	97.2	97.3	97.4	97.4
≥ 300	62.6	89.3	92.7	95.3	96.8	97.2	97.6	97.8	97.9	98.4	98.4	98.4	98.6	98.6	98.7	98.7
≥ 200	62.6	89.3	92.7	95.3	97.0	97.4	97.8	98.0	98.2	98.8	99.0	99.1	99.2	99.2	99.3	99.3
≥ 100	62.6	89.3	92.7	95.3	97.0	97.4	97.9	98.1	98.3	98.9	99.1	99.2	99.6	99.8	100.0	100.0
≥ 0	62.6	89.3	92.7	95.3	97.0	97.4	97.9	98.1	98.3	98.9	99.1	99.2	99.6	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

898

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

10985

ELLINGTON AFB TX

69-70,73-80

APP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	32.8	40.8	41.8	42.6	43.1	43.3	43.4	43.6	43.6	43.6	43.7	43.8	43.9	44.0	44.1	44.5
≥ 20000	36.6	46.0	47.0	48.0	48.5	48.7	48.9	49.0	49.0	49.1	49.2	49.3	49.4	49.5	49.6	50.0
≥ 18000	36.7	46.0	47.1	48.0	48.6	48.8	49.0	49.1	49.1	49.2	49.3	49.3	49.5	49.6	49.7	50.1
≥ 16000	36.7	46.1	47.2	48.1	48.7	48.9	49.0	49.2	49.2	49.3	49.4	49.4	49.6	49.7	49.8	50.2
≥ 14000	36.9	46.4	47.5	48.4	49.0	49.1	49.3	49.5	49.5	49.6	49.7	49.7	49.9	50.0	50.1	50.5
≥ 12000	37.6	47.5	48.6	49.5	50.1	50.3	50.5	50.6	50.6	50.7	50.8	50.9	51.0	51.1	51.2	51.6
≥ 10000	38.8	49.2	50.4	51.4	52.0	52.1	52.4	52.5	52.5	52.7	52.8	52.8	53.0	53.1	53.2	53.6
≥ 9000	38.9	49.5	50.6	51.6	52.3	52.4	52.6	52.8	52.8	52.9	53.0	53.1	53.2	53.4	53.5	53.9
≥ 8000	40.0	51.0	52.2	53.2	53.9	54.0	54.2	54.4	54.4	54.6	54.7	54.7	54.9	55.0	55.1	55.6
≥ 7000	40.9	52.4	53.6	54.6	55.3	55.5	55.7	55.8	55.9	56.0	56.1	56.2	56.3	56.4	56.6	57.0
≥ 6000	41.9	53.8	55.0	56.1	56.8	57.0	57.2	57.3	57.4	57.5	57.6	57.7	57.8	57.9	58.1	58.5
≥ 5000	43.1	55.6	56.8	58.0	58.8	58.9	59.1	59.3	59.3	59.5	59.6	59.6	59.8	59.9	60.1	60.5
≥ 4500	43.6	56.3	57.6	58.8	59.6	59.7	59.9	60.1	60.2	60.3	60.4	60.5	60.6	60.7	60.9	61.3
≥ 4000	44.7	58.1	59.5	60.7	61.6	61.7	61.9	62.1	62.2	62.3	62.4	62.5	62.6	62.7	62.9	63.3
≥ 3500	45.9	59.4	60.9	62.1	63.0	63.2	63.4	63.6	63.6	63.8	63.9	63.9	64.1	64.2	64.3	64.8
≥ 3000	46.3	61.2	62.8	64.1	65.0	65.2	65.5	65.6	65.7	65.8	65.9	66.0	66.1	66.3	66.4	66.8
≥ 2500	47.6	63.8	65.4	66.9	67.8	68.0	68.3	68.4	68.5	68.7	68.8	68.8	68.9	69.1	69.2	69.7
≥ 2000	49.5	67.5	69.2	70.8	71.8	72.0	72.3	72.4	72.5	72.6	72.7	72.8	72.9	73.1	73.2	73.6
≥ 1800	50.1	69.0	70.8	72.4	73.4	73.6	73.9	74.1	74.1	74.3	74.4	74.4	74.6	74.7	74.9	75.3
≥ 1500	51.4	72.0	74.1	75.8	77.0	77.2	77.5	77.7	77.8	77.9	78.0	78.1	78.2	78.4	78.5	78.9
≥ 1200	52.6	75.7	77.9	79.9	81.2	81.4	81.8	82.1	82.1	82.3	82.5	82.5	82.6	82.8	82.9	83.4
≥ 1000	53.3	78.2	80.6	82.7	84.1	84.4	84.8	85.1	85.2	85.4	85.5	85.6	85.7	85.9	86.0	86.4
≥ 900	53.6	79.8	82.5	84.7	86.2	86.5	87.0	87.2	87.3	87.5	87.6	87.7	87.9	88.0	88.1	88.6
≥ 800	53.9	81.2	84.1	86.4	88.0	88.3	88.9	89.1	89.2	89.5	89.6	89.7	89.8	90.0	90.1	90.5
≥ 700	54.1	82.4	85.4	88.0	89.7	90.0	90.6	91.0	91.1	91.4	91.5	91.6	91.7	91.9	92.0	92.4
≥ 600	54.2	83.0	86.1	88.8	90.6	91.0	91.8	92.2	92.2	92.6	92.8	92.8	93.0	93.1	93.3	93.7
≥ 500	54.2	83.6	87.1	90.1	92.1	92.6	93.5	94.0	94.1	94.5	94.7	94.7	94.9	95.1	95.2	95.7
≥ 400	54.2	83.9	87.5	90.8	93.1	93.7	94.9	95.5	95.5	96.1	96.2	96.3	96.5	96.7	96.8	97.2
≥ 300	54.2	83.9	87.6	91.1	93.4	94.1	95.4	96.1	96.3	97.0	97.2	97.3	97.5	97.7	97.9	98.4
≥ 200	54.2	83.9	87.6	91.1	93.5	94.2	95.5	96.3	96.5	97.3	97.6	97.8	98.1	98.4	98.6	99.1
≥ 100	54.2	83.9	87.6	91.1	93.5	94.2	95.6	96.3	96.6	97.4	97.7	97.9	98.3	98.8	99.1	99.5
≥ 0	54.2	83.9	87.6	91.1	93.5	94.2	95.6	96.3	96.6	97.4	97.7	97.9	98.3	98.8	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS

7197

USAF ETAC

FORM
JUL 64

0-14-3 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12476

ELLINGTON AFB TX

69-70,73-80

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-020
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼
NO CEILING ≥ 20000	42.4	56.1	57.2	58.5	59.2	59.2	59.7	59.7	59.7	59.8	59.9	59.9	59.9	59.9	59.9
≥ 18000	46.7	62.7	63.8	65.1	65.9	65.9	66.5	66.5	66.5	66.6	66.7	66.7	66.7	66.7	66.7
≥ 16000	46.7	62.7	63.8	65.1	65.9	65.9	66.5	66.5	66.5	66.6	66.7	66.7	66.7	66.7	66.7
≥ 14000	47.0	63.0	64.1	65.4	66.2	66.2	66.8	66.8	66.8	66.9	67.0	67.0	67.0	67.0	67.0
≥ 12000	47.6	63.7	64.8	66.2	67.1	67.1	67.6	67.6	67.6	67.7	67.8	67.8	67.8	67.8	67.8
≥ 10000	50.8	67.3	68.5	70.1	71.0	71.0	71.6	71.7	71.7	71.8	71.9	71.9	71.9	71.9	71.9
≥ 9000	51.1	67.6	68.8	70.4	71.3	71.3	71.9	72.0	72.0	72.2	72.3	72.3	72.3	72.3	72.3
≥ 8000	53.1	69.8	71.1	72.9	73.7	73.7	74.4	74.6	74.6	74.7	74.8	74.8	74.8	74.8	74.8
≥ 7000	53.5	70.3	71.6	73.3	74.2	74.2	74.9	75.2	75.2	75.3	75.4	75.4	75.4	75.4	75.4
≥ 6000	54.1	70.9	72.2	73.9	74.7	74.7	75.5	75.7	75.7	75.8	75.9	75.9	75.9	75.9	75.9
≥ 5000	54.3	71.0	72.3	74.0	74.7	74.7	75.6	75.7	75.7	75.8	75.9	75.9	75.9	75.9	75.9
≥ 4500	54.9	72.0	73.3	75.1	75.9	76.0	76.8	77.0	77.0	77.1	77.2	77.2	77.2	77.2	77.2
≥ 4000	56.2	74.1	75.5	77.2	78.1	78.2	78.9	79.1	79.1	79.2	79.4	79.4	79.4	79.4	79.4
≥ 3500	56.6	74.6	76.0	77.8	78.7	78.8	79.6	79.8	79.8	79.9	80.0	80.0	80.0	80.0	80.0
≥ 3000	57.0	75.8	77.2	79.1	80.0	80.1	80.9	81.1	81.1	81.2	81.3	81.3	81.3	81.3	81.3
≥ 2500	57.5	76.3	77.7	79.9	80.8	80.9	81.6	81.8	81.8	81.9	82.0	82.0	82.0	82.0	82.0
≥ 2000	58.8	78.3	79.8	81.9	82.8	82.9	83.7	83.9	83.9	84.0	84.1	84.1	84.1	84.1	84.1
≥ 1800	59.4	79.2	80.8	82.9	83.8	83.9	84.6	84.8	84.8	84.9	85.1	85.1	85.1	85.1	85.1
≥ 1500	61.5	81.3	83.9	86.0	87.0	87.1	87.8	88.1	88.1	88.2	88.3	88.3	88.3	88.3	88.3
≥ 1200	63.3	86.5	88.3	90.4	91.4	91.5	92.3	92.6	92.6	92.7	92.8	92.8	92.8	92.8	92.8
≥ 1000	63.3	87.3	89.2	91.4	92.5	92.6	93.3	93.7	93.7	93.8	93.9	93.9	93.9	93.9	93.9
≥ 900	63.7	88.7	90.8	92.8	93.9	94.0	94.7	95.1	95.1	95.2	95.3	95.3	95.3	95.3	95.3
≥ 800	63.7	89.5	91.4	93.5	94.6	94.7	95.5	95.9	95.9	96.0	96.1	96.1	96.1	96.1	96.1
≥ 700	63.8	90.4	92.5	94.6	95.7	95.8	96.6	97.0	97.0	97.2	97.3	97.3	97.3	97.3	97.3
≥ 600	63.8	90.5	92.6	94.7	95.8	95.9	96.7	97.1	97.1	97.3	97.4	97.4	97.4	97.4	97.4
≥ 500	63.8	91.3	93.5	95.9	97.1	97.2	98.0	98.4	98.4	98.6	98.7	98.7	98.7	98.7	98.7
≥ 400	63.8	91.4	93.7	96.1	97.3	97.4	98.2	98.6	98.6	98.8	98.9	98.9	98.9	98.9	98.9
≥ 300	63.8	91.4	93.7	96.2	97.4	97.5	98.6	99.0	99.0	99.4	99.5	99.5	99.5	99.5	99.5
≥ 200	63.8	91.4	93.7	96.2	97.4	97.5	98.6	99.0	99.1	99.5	99.6	99.6	99.6	99.6	99.6
≥ 100	63.8	91.4	93.7	96.2	97.4	97.5	98.6	99.0	99.1	99.5	99.6	99.6	99.7	99.7	99.7
≥ 0	63.8	91.4	93.7	96.2	97.4	97.5	98.6	99.0	99.1	99.5	99.6	99.6	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 97

AD-A110 045 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
ELLINGTON AFB, HOUSTON, TEXAS REVISED UNIFORM SUMMARY OF SURFAC--ETC(U)
AUG 81
UNCLASSIFIED USAFETAC/DS-81/087 SBI-AD-F850 115

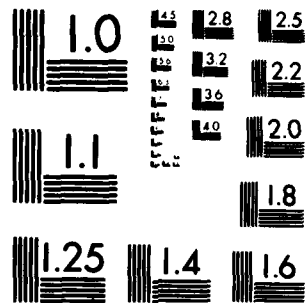
AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
ELLINGTON AFB, HOUSTON, TEXAS REVISED UNIFORM SUMMARY OF SURFAC--ETC(U)
AUG 81
USAFETAC/DS-81/087 SRI-AD-5050 115

SBI-AD-E850 115

N1

35

 $\Delta H_{\text{fus}} = 5.6$



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963 A.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12996

ELLINGTON AFB TX

69-70, 73-80

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	33.1	48.4	51.5	54.5	56.9	57.3	58.0	58.2	58.3	58.6	58.6	58.7	58.9	58.9	59.1	59.7
≥ 20000	35.3	52.5	55.9	59.1	61.6	62.0	62.7	62.9	63.0	63.3	63.4	63.5	63.8	63.8	64.0	64.5
≥ 18000	35.3	52.5	55.9	59.1	61.6	62.0	62.7	62.9	63.0	63.3	63.4	63.5	63.8	63.8	64.0	64.5
≥ 16000	35.3	52.5	55.9	59.1	61.6	62.0	62.7	62.9	63.0	63.3	63.4	63.5	63.8	63.8	64.0	64.5
≥ 14000	35.8	53.0	56.5	59.7	62.2	62.6	63.2	63.4	63.5	63.9	64.0	64.1	64.3	64.3	64.5	65.1
≥ 12000	36.0	53.3	56.9	60.1	62.6	63.0	63.7	63.9	64.0	64.3	64.4	64.5	64.7	64.7	64.9	65.5
≥ 10000	38.6	56.6	60.4	63.8	66.3	67.0	67.7	68.1	68.2	68.5	68.6	68.7	68.9	68.9	69.1	69.7
≥ 9000	39.2	57.4	61.3	64.6	67.2	67.8	68.6	68.9	69.0	69.4	69.5	69.6	69.8	69.8	70.0	70.5
≥ 8000	41.0	59.8	63.7	67.0	69.6	70.2	71.1	71.4	71.5	71.8	71.9	72.0	72.3	72.3	72.5	73.0
≥ 7000	41.3	60.3	64.2	67.6	70.2	70.9	71.7	72.0	72.2	72.5	72.6	72.7	72.9	72.9	73.1	73.7
≥ 6000	41.7	60.8	64.6	68.1	70.6	71.3	72.2	72.5	72.6	72.9	73.0	73.1	73.3	73.3	73.5	74.1
≥ 5000	42.5	61.7	65.6	69.0	71.6	72.3	73.1	73.4	73.5	73.9	74.0	74.1	74.3	74.3	74.5	75.1
≥ 4500	42.6	62.0	65.9	69.5	72.0	72.7	73.5	73.9	74.0	74.3	74.4	74.5	74.7	74.7	74.9	75.5
≥ 4000	43.1	63.0	66.9	70.5	73.1	73.8	74.6	74.9	75.1	75.4	75.5	75.6	75.8	75.8	76.0	76.6
≥ 3500	43.3	63.8	67.6	71.3	74.1	74.7	75.8	76.1	76.2	76.7	76.8	76.9	77.1	77.1	77.3	77.8
≥ 3000	43.5	64.8	68.8	72.6	75.4	76.0	77.1	77.4	77.5	78.0	78.1	78.2	78.4	78.4	78.6	79.1
≥ 2500	44.2	66.1	70.1	73.9	76.7	77.3	78.4	78.7	78.8	79.2	79.4	79.5	79.7	79.7	79.9	80.4
≥ 2000	45.9	69.2	73.3	77.1	79.9	80.5	81.6	81.9	82.0	82.5	82.6	82.7	82.9	82.9	83.1	83.7
≥ 1800	46.1	69.8	73.9	77.7	80.5	81.2	82.3	82.6	82.7	83.1	83.2	83.3	83.5	83.5	83.8	84.3
≥ 1500	48.0	7.7	76.8	81.0	83.8	84.4	85.5	85.8	85.9	86.3	86.5	86.6	86.8	86.8	87.0	87.5
≥ 1200	49.0	76.2	80.4	84.8	87.6	88.3	89.4	89.7	89.8	90.2	90.4	90.5	90.8	90.8	91.0	91.5
≥ 1000	49.7	78.1	82.4	86.9	89.7	90.3	91.4	91.7	91.8	92.3	92.5	92.6	92.8	92.8	93.0	93.5
≥ 900	50.0	79.1	83.8	88.5	91.3	91.9	93.0	93.3	93.4	93.9	94.1	94.2	94.4	94.4	94.6	95.2
≥ 800	50.1	80.0	84.6	89.4	92.2	92.8	93.9	94.2	94.3	94.7	94.9	95.1	95.3	95.3	95.5	96.0
≥ 700	50.1	81.1	85.8	90.5	93.3	94.0	95.2	95.6	95.7	96.1	96.5	96.6	96.8	96.8	97.0	97.5
≥ 600	50.1	81.2	85.9	90.8	93.5	94.2	95.4	95.8	95.9	96.3	96.7	96.8	97.0	97.0	97.2	97.7
≥ 500	50.1	81.4	86.1	91.0	93.9	94.5	95.8	96.2	96.3	96.8	97.1	97.2	97.4	97.4	97.6	98.2
≥ 400	50.1	81.5	86.3	91.2	94.1	94.7	96.0	96.6	96.7	97.1	97.4	97.5	97.7	97.7	98.0	98.5
≥ 300	50.1	81.6	86.5	91.3	94.2	94.8	96.3	96.9	97.0	97.4	97.7	97.8	98.1	98.1	98.3	98.8
≥ 200	50.1	81.6	86.5	91.3	94.2	94.8	96.3	96.9	97.0	97.5	97.8	98.0	98.3	98.3	98.6	99.5
≥ 100	50.1	81.6	86.5	91.3	94.2	94.8	96.3	96.9	97.0	97.5	97.8	98.0	98.4	98.4	98.9	99.9
≥ 0	50.1	81.6	86.5	91.3	94.2	94.8	96.3	96.9	97.0	97.5	97.8	98.0	98.4	98.4	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12976

ELLINGTON AFB TX

69-70,73-80

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	17.8	33.5	36.9	40.3	44.2	46.2	48.6	49.8	49.9	50.4	50.9	51.0	51.0	51.0	51.1	51.2
≥ 20000	20.3	39.5	43.3	47.1	51.1	53.1	55.5	56.7	56.8	57.3	57.7	57.8	57.8	58.0	58.1	58.3
≥ 18000	20.5	39.7	43.5	47.3	51.3	53.3	55.7	56.9	57.0	57.5	58.0	58.1	58.1	58.2	58.3	58.5
≥ 16000	20.5	39.7	43.5	47.4	51.4	53.4	55.8	57.0	57.1	57.6	58.1	58.2	58.2	58.3	58.4	58.6
≥ 14000	21.2	40.4	44.6	48.5	52.5	54.5	56.9	58.1	58.2	58.7	59.1	59.2	59.2	59.4	59.5	59.7
≥ 12000	21.6	41.5	45.8	49.7	53.7	55.7	58.2	59.4	59.5	60.0	60.4	60.5	60.5	60.6	60.8	61.0
≥ 10000	22.5	43.8	48.2	52.4	56.7	59.0	61.7	63.1	63.3	64.0	64.4	64.5	64.5	64.6	64.7	64.9
≥ 9000	23.0	44.7	49.2	53.4	57.7	60.1	62.8	64.2	64.4	65.1	65.5	65.6	65.6	65.7	65.8	66.0
≥ 8000	23.7	46.0	50.6	55.1	59.4	61.7	64.5	65.9	66.1	66.8	67.2	67.3	67.3	67.4	67.5	67.8
≥ 7000	24.1	46.8	51.5	55.9	60.2	62.6	65.4	66.8	67.0	67.6	68.1	68.2	68.2	68.3	68.4	68.7
≥ 6000	24.3	47.4	52.5	56.9	61.2	63.5	66.5	68.2	68.4	69.0	69.5	69.6	69.6	69.7	69.8	70.2
≥ 5000	24.6	48.9	54.0	58.4	62.7	65.1	68.0	69.8	70.0	70.6	71.1	71.2	71.2	71.3	71.4	71.8
≥ 4500	24.7	49.2	54.4	58.9	63.2	65.7	68.6	70.4	70.6	71.3	71.7	71.8	71.8	71.9	72.0	72.5
≥ 4000	24.9	50.5	55.8	60.5	65.1	67.5	70.4	72.3	72.5	73.1	73.5	73.7	73.8	73.9	74.0	74.4
≥ 3500	25.5	51.5	56.9	61.7	66.2	68.7	71.6	73.4	73.7	74.3	74.7	74.8	74.9	75.1	75.2	75.6
≥ 3000	25.9	53.2	58.8	64.2	69.1	71.6	74.8	76.7	76.9	77.5	78.0	78.1	78.2	78.3	78.4	78.8
≥ 2500	26.1	54.0	59.6	65.4	70.4	72.9	76.1	78.0	78.2	78.8	79.2	79.4	79.5	79.6	79.7	80.1
≥ 2000	26.7	55.5	61.4	67.4	73.1	75.6	78.8	80.6	80.9	81.5	81.9	82.0	82.2	82.3	82.4	82.8
≥ 1800	26.9	56.0	61.9	68.0	73.7	76.1	79.4	81.2	81.4	82.2	82.6	82.7	82.8	82.9	83.0	83.4
≥ 1500	28.5	59.7	65.6	71.7	77.4	79.9	83.2	85.1	85.3	86.0	86.5	86.6	86.7	86.8	86.9	87.3
≥ 1200	29.5	62.5	68.6	74.9	80.9	83.4	86.8	88.6	88.8	89.6	90.0	90.1	90.2	90.3	90.4	90.9
≥ 1000	30.2	64.0	70.4	76.9	83.1	85.7	89.0	91.0	91.2	91.9	92.4	92.5	92.6	92.7	92.8	93.2
≥ 900	30.3	64.5	71.4	78.1	84.3	86.9	90.2	92.2	92.4	93.1	93.5	93.7	93.8	93.9	94.0	94.4
≥ 800	30.6	65.2	72.3	79.4	85.8	88.6	91.9	93.9	94.1	94.8	95.3	95.4	95.5	95.6	95.7	96.1
≥ 700	30.9	65.8	73.2	80.4	86.9	89.7	93.0	94.9	95.2	95.9	96.3	96.5	96.6	96.7	96.8	97.2
≥ 600	30.9	65.8	73.3	80.5	87.0	89.8	93.1	95.1	95.3	96.0	96.5	96.6	96.7	96.8	96.9	97.3
≥ 500	30.9	65.9	73.5	81.2	87.7	90.5	93.9	95.8	96.0	96.8	97.3	97.5	97.6	97.7	97.8	98.3
≥ 400	30.9	65.9	73.5	81.4	88.0	90.9	94.2	96.1	96.3	97.1	97.6	97.8	98.0	98.1	98.2	98.6
≥ 300	30.9	65.9	73.5	81.4	88.0	90.9	94.2	96.1	96.3	97.1	97.7	98.0	98.1	98.2	98.3	98.7
≥ 200	30.9	65.9	73.5	81.4	88.0	90.9	94.2	96.1	96.3	97.2	98.0	98.2	98.4	98.6	98.9	99.5
≥ 100	30.9	65.9	73.5	81.4	88.0	90.9	94.2	96.1	96.3	97.2	98.1	98.3	98.5	98.9	99.4	100.0
≥ 0	30.9	65.9	73.5	81.4	88.0	90.9	94.2	96.1	96.3	97.2	98.1	98.3	98.5	98.9	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 931

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69-70,73-80

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	33.1	46.5	47.3	47.8	48.3	48.4	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 20000	39.2	55.3	56.5	57.2	57.7	57.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 18000	39.4	55.5	56.7	57.4	58.0	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 16000	39.4	55.5	56.7	57.4	58.0	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 14000	39.5	55.7	56.9	57.6	58.2	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
IV 12000	40.2	57.4	58.6	59.4	59.9	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 10000	41.5	59.9	61.1	61.8	62.6	62.7	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.1	63.1	63.1
IV 9000	41.8	60.5	61.7	62.5	63.2	63.3	63.5	63.5	63.5	63.7	63.7	63.7	63.7	63.8	63.8	63.8
IV 8000	42.7	62.3	63.4	64.2	65.1	65.2	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.6	65.6	65.6
IV 7000	43.4	63.3	64.6	65.4	66.2	66.3	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.8	66.8	66.8
IV 6000	43.8	64.0	65.4	66.1	67.1	67.2	67.4	67.4	67.4	67.5	67.5	67.5	67.5	67.6	67.6	67.6
IV 5000	45.2	65.8	67.2	68.0	68.9	69.1	69.2	69.2	69.2	69.4	69.4	69.4	69.4	69.5	69.5	69.5
IV 4500	46.2	67.5	69.0	69.8	70.8	70.9	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.4	71.4	71.4
IV 4000	46.7	69.4	71.0	72.0	73.3	73.4	73.7	73.8	73.8	73.9	73.9	73.9	73.9	74.0	74.0	74.0
IV 3500	47.2	70.3	71.9	73.0	74.3	74.5	74.7	74.8	74.8	74.9	74.9	74.9	74.9	75.1	75.1	75.1
IV 3000	48.3	72.7	74.5	75.6	76.9	77.1	77.3	77.4	77.4	77.5	77.5	77.5	77.5	77.6	77.6	77.6
IV 2500	50.1	76.0	77.8	78.9	80.2	80.4	80.6	80.8	80.8	80.9	80.9	80.9	80.9	81.0	81.0	81.0
IV 2000	52.3	80.3	82.6	83.7	84.9	85.2	85.4	85.6	85.6	85.7	85.8	85.8	85.8	85.9	85.9	85.9
IV 1800	53.0	81.4	83.7	84.7	86.0	86.2	86.5	86.7	86.7	86.8	86.9	86.9	86.9	87.0	87.0	87.0
IV 1500	53.9	84.8	87.1	88.3	89.6	89.8	90.1	90.3	90.3	90.4	90.5	90.5	90.5	90.6	90.6	90.6
IV 1200	55.2	89.2	91.7	93.4	95.1	95.3	95.6	95.8	95.8	95.9	96.0	96.0	96.0	96.1	96.1	96.1
IV 1000	55.2	89.8	92.3	94.1	95.9	96.1	96.5	96.7	96.7	96.8	96.9	96.9	96.9	97.0	97.0	97.0
IV 900	55.3	89.9	92.4	94.3	96.1	96.5	97.0	97.2	97.2	97.3	97.4	97.4	97.4	97.5	97.5	97.5
IV 800	55.4	90.4	93.2	95.2	97.1	97.5	98.1	98.3	98.3	98.4	98.5	98.5	98.5	98.6	98.6	98.6
IV 700	55.4	90.5	93.3	95.4	97.4	97.8	98.4	98.6	98.6	98.7	98.8	98.8	98.8	98.9	98.9	98.9
IV 600	55.4	90.9	93.7	95.7	97.7	98.2	98.8	99.0	99.0	99.4	99.5	99.5	99.5	99.6	99.6	99.6
IV 500	55.4	90.9	93.7	95.7	97.8	98.3	98.9	99.1	99.1	99.6	99.7	99.7	99.7	99.8	99.8	99.8
IV 400	55.4	90.9	93.7	95.7	97.8	98.3	98.9	99.1	99.1	99.6	99.7	99.7	99.7	99.8	99.8	99.8
IV 300	55.4	90.9	93.7	95.7	97.8	98.3	98.9	99.1	99.1	99.6	99.7	99.7	99.7	99.8	99.8	99.8
IV 200	55.4	90.9	93.7	95.7	97.8	98.3	98.9	99.1	99.1	99.6	99.8	99.8	99.8	99.9	99.9	99.9
IV 100	55.4	90.9	93.7	95.7	97.8	98.3	98.9	99.1	99.1	99.6	99.8	99.8	99.8	99.9	100.0	100.0
IV 0	55.4	90.9	93.7	95.7	97.8	98.3	98.9	99.1	99.1	99.6	99.8	99.8	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69-70,73-80

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	38.6	48.6	49.2	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 20000	46.3	59.0	59.8	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 18000	46.5	59.1	59.9	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 16000	46.5	59.1	59.9	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 14000	46.9	59.8	60.5	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 12000	47.7	60.8	61.6	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 10000	50.9	64.7	65.6	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 9000	50.9	65.3	66.1	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 8000	51.9	67.0	68.0	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 7000	52.4	67.7	68.7	69.1	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 6000	52.6	68.0	69.1	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 5000	53.9	69.6	70.8	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 4500	54.3	70.6	71.8	72.7	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 4000	55.7	72.8	74.0	74.8	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 3500	56.5	74.1	75.4	76.3	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 3000	59.9	79.9	81.4	82.6	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 2500	62.7	85.3	86.9	88.2	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 2000	64.5	88.1	89.8	91.2	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 1800	65.3	89.0	90.8	92.2	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1500	66.1	90.9	92.7	94.2	94.9	94.9	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 1200	66.1	92.3	94.3	95.9	96.7	96.7	96.8	96.8	96.8	96.9	96.9	96.9	97.0	97.0	97.0	97.0
IV 1000	66.2	93.8	96.0	97.6	98.4	98.4	98.5	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8
IV 900	66.3	94.0	96.2	98.0	98.8	98.8	98.9	99.0	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2
IV 800	66.3	94.1	96.3	98.1	98.9	98.9	99.0	99.1	99.1	99.2	99.2	99.2	99.4	99.4	99.4	99.4
IV 700	66.3	94.1	96.3	98.1	98.9	98.9	99.0	99.1	99.1	99.2	99.2	99.2	99.4	99.4	99.4	99.4
IV 600	66.3	94.1	96.3	98.1	98.9	98.9	99.0	99.1	99.1	99.2	99.2	99.2	99.4	99.4	99.4	99.4
IV 500	66.3	94.2	96.5	98.2	99.0	99.0	99.2	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6
IV 400	66.3	94.2	96.5	98.2	99.1	99.1	99.4	99.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9
IV 300	66.3	94.2	96.5	98.2	99.1	99.1	99.4	99.5	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 200	66.3	94.2	96.5	98.2	99.1	99.1	99.4	99.5	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 100	66.3	94.2	96.5	98.2	99.1	99.1	99.4	99.5	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 0	66.3	94.2	96.5	98.2	99.1	99.1	99.4	99.5	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69-70,73-80

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	45.6	52.7	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 20000	53.9	64.4	64.8	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 18000	53.9	64.4	64.8	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 16000	53.9	64.4	64.8	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 14000	54.2	64.9	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 12000	55.8	67.0	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 10000	59.0	71.5	72.0	72.3	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 9000	59.6	72.4	72.9	73.1	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 8000	60.3	73.8	74.4	74.6	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 7000	60.8	74.3	74.9	75.2	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 6000	61.4	75.8	76.5	76.7	76.7	76.7	76.7	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 5000	62.2	77.1	77.7	78.0	78.0	78.1	78.1	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 4500	62.4	77.6	78.4	78.7	78.7	78.8	78.8	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 4000	63.8	79.7	80.6	81.0	81.0	81.1	81.1	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 3500	65.3	82.3	83.3	83.8	83.8	83.9	83.9	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 3000	66.8	85.5	86.8	87.3	87.3	87.4	87.5	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 2500	68.4	87.5	89.0	89.8	90.0	90.1	90.4	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 2000	69.7	89.5	91.2	92.0	92.4	92.6	92.9	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1800	70.4	90.4	92.2	93.0	93.3	93.7	94.0	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1500	71.0	91.4	93.3	94.2	94.5	94.8	95.2	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1200	71.3	93.2	95.2	96.0	96.6	96.9	97.2	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1000	71.4	93.5	95.7	96.8	97.4	97.7	98.1	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 900	71.4	93.7	95.8	96.9	97.5	98.1	98.4	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	71.4	93.8	96.0	97.1	97.7	98.3	98.7	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700	71.4	93.9	96.1	97.2	97.8	98.4	98.8	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	71.4	94.0	96.2	97.3	98.0	98.5	98.9	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	71.4	94.0	96.2	97.3	98.0	98.6	99.0	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	71.4	94.0	96.2	97.3	98.0	98.6	99.0	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	71.4	94.0	96.2	97.3	98.0	98.6	99.0	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	71.4	94.0	96.2	97.3	98.0	98.6	99.0	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	71.4	94.0	96.2	97.3	98.0	98.6	99.0	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	71.4	94.0	96.2	97.3	98.0	98.6	99.0	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69-70,73-80

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	49.0	58.9	59.4	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 20000	56.9	70.4	71.3	71.4	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 18000	56.9	71.4	71.3	71.4	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 16000	56.9	70.4	71.3	71.4	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 14000	56.9	70.8	71.7	71.8	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 12000	57.4	71.6	72.4	72.6	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 10000	60.3	75.3	76.4	76.7	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 9000	60.3	75.9	77.1	77.4	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 8000	61.7	77.9	78.8	79.1	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 7000	62.0	78.1	79.4	79.8	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 6000	62.8	79.2	80.5	80.8	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 5000	63.3	80.1	81.4	81.7	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 4500	63.3	80.5	81.8	82.1	82.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 4000	64.8	82.1	83.4	83.7	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 3500	65.1	83.3	84.7	85.3	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 3000	65.7	85.1	86.5	87.1	87.2	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 2500	66.1	85.9	87.3	87.9	88.1	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 2000	67.4	88.3	90.0	90.7	90.9	91.2	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 1800	68.2	89.3	91.1	91.8	91.9	92.2	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 1500	69.0	90.3	92.0	92.9	93.0	93.3	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1200	69.3	92.4	94.2	95.3	95.4	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 1000	69.3	92.5	94.4	95.7	95.8	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 900	69.3	92.8	94.8	96.3	96.6	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 800	69.6	93.6	96.0	97.5	97.8	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 700	69.6	94.0	96.6	98.2	98.5	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 600	69.6	94.0	96.7	98.4	98.7	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500	69.6	94.1	96.8	98.7	99.1	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	69.6	94.1	96.9	98.8	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	69.6	94.1	96.9	98.8	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	69.6	94.1	96.9	98.8	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	69.6	94.1	96.9	98.8	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	69.6	94.1	96.9	98.8	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69-70,73-80

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	52.9	62.7	63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 20000	60.9	72.6	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 18000	60.9	72.6	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 16000	60.9	72.6	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 14000	60.9	72.6	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 12000	61.0	73.0	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 10000	64.1	76.8	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 9000	64.3	77.0	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 8000	65.8	78.6	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 7000	66.1	79.0	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 6000	66.6	79.5	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 5000	68.3	81.1	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 4500	68.4	81.8	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 4000	69.2	83.0	83.5	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 3500	70.0	84.4	84.9	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 3000	71.0	86.3	86.9	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 2500	71.4	87.3	87.8	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2000	72.9	89.8	90.3	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 1800	73.9	90.5	91.1	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1500	74.3	91.7	92.3	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 1200	75.2	93.1	93.8	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1000	75.9	94.4	95.2	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 900	75.8	95.1	95.8	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 800	75.7	95.9	96.7	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 700	75.8	96.5	97.2	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 600	75.8	97.1	97.8	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500	75.9	97.6	98.5	99.5	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	75.9	97.6	98.5	99.5	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	75.9	97.6	98.5	99.5	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	75.9	97.6	98.5	99.5	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	75.9	97.6	98.5	99.5	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	75.9	97.6	98.5	99.5	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69-70,73-80

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	39.1	50.9	52.2	53.3	54.3	54.6	55.1	55.2	55.3	55.4	55.5	55.5	55.5	55.5	55.5	55.6
≥ 20000	44.9	59.5	61.0	62.3	63.3	63.6	64.1	64.3	64.3	64.4	64.5	64.5	64.6	64.6	64.6	64.7
≥ 18000	45.0	59.6	61.1	62.3	63.3	63.7	64.2	64.3	64.4	64.5	64.6	64.6	64.6	64.6	64.7	64.8
≥ 16000	45.0	59.6	61.1	62.3	63.3	63.7	64.2	64.4	64.4	64.5	64.6	64.6	64.6	64.6	64.7	64.8
≥ 14000	45.2	60.0	61.6	62.8	63.8	64.2	64.6	64.8	64.8	65.0	65.0	65.1	65.1	65.1	65.2	65.3
≥ 12000	45.9	61.0	62.6	63.9	64.9	65.3	65.7	65.9	65.9	66.1	66.2	66.2	66.2	66.2	66.3	66.4
≥ 10000	48.4	64.5	66.2	67.6	68.7	69.1	69.6	69.8	69.9	70.0	70.1	70.1	70.2	70.2	70.2	70.3
≥ 9000	48.8	65.1	66.8	68.2	69.3	69.7	70.3	70.5	70.5	70.7	70.8	70.8	70.8	70.8	70.9	71.0
≥ 8000	50.0	66.8	68.6	70.1	71.2	71.6	72.2	72.4	72.5	72.6	72.7	72.7	72.8	72.8	72.8	72.9
≥ 7000	50.5	67.5	69.3	70.8	71.9	72.3	72.9	73.1	73.2	73.3	73.4	73.4	73.5	73.5	73.5	73.6
≥ 6000	50.9	68.2	70.1	71.6	72.7	73.1	73.7	74.0	74.0	74.2	74.3	74.3	74.3	74.4	74.4	74.5
≥ 5000	51.8	69.5	71.4	72.9	74.0	74.4	75.0	75.3	75.4	75.5	75.6	75.7	75.7	75.7	75.7	75.9
≥ 4500	52.1	70.2	72.1	73.7	74.8	75.2	75.8	76.2	76.2	76.4	76.4	76.5	76.5	76.5	76.6	76.7
≥ 4000	53.1	71.8	73.8	75.5	76.7	77.1	77.8	78.1	78.1	78.3	78.4	78.4	78.5	78.5	78.5	78.6
≥ 3500	53.7	73.0	75.1	76.8	78.1	78.5	79.2	79.5	79.5	79.7	79.8	79.8	79.9	79.9	79.9	80.1
≥ 3000	54.3	75.4	77.6	79.5	80.8	81.3	82.0	82.3	82.3	82.5	82.6	82.6	82.7	82.7	82.7	82.8
≥ 2500	55.8	77.3	79.5	81.5	82.9	83.4	84.1	84.4	84.5	84.6	84.7	84.8	84.8	84.8	84.9	85.0
≥ 2000	57.3	79.9	82.3	84.4	85.8	86.3	87.0	87.4	87.4	87.6	87.7	87.7	87.8	87.8	87.8	88.0
≥ 1800	57.9	80.7	83.2	85.2	86.7	87.2	87.9	88.3	88.3	88.5	88.6	88.6	88.7	88.7	88.7	88.9
≥ 1500	59.0	83.0	85.5	87.8	89.1	89.6	90.4	90.7	90.8	91.0	91.1	91.1	91.2	91.2	91.2	91.3
≥ 1200	59.9	85.7	88.3	90.8	92.2	92.8	93.5	93.9	93.9	94.1	94.2	94.3	94.3	94.3	94.4	94.5
≥ 1000	60.1	86.7	89.4	91.9	93.6	94.1	94.8	95.2	95.3	95.5	95.6	95.6	95.7	95.7	95.7	95.9
≥ 900	60.3	87.2	90.1	92.7	94.4	94.9	95.7	96.1	96.2	96.4	96.5	96.5	96.6	96.6	96.6	96.7
≥ 800	60.4	87.8	90.8	93.4	95.2	95.8	96.6	97.0	97.1	97.3	97.4	97.4	97.5	97.5	97.5	97.7
≥ 700	60.4	88.3	91.4	94.1	95.8	96.5	97.3	97.7	97.8	98.0	98.1	98.1	98.2	98.2	98.2	98.4
≥ 600	60.4	88.4	91.6	94.3	96.1	96.7	97.5	97.9	98.0	98.2	98.4	98.4	98.5	98.5	98.5	98.6
≥ 500	60.4	88.7	91.9	94.7	96.5	97.2	98.0	98.5	98.5	98.8	98.9	99.0	99.0	99.0	99.1	99.2
≥ 400	60.4	88.7	91.9	94.8	96.6	97.3	98.2	98.7	98.7	99.0	99.2	99.2	99.3	99.3	99.3	99.4
≥ 300	60.4	88.7	91.9	94.8	96.7	97.3	98.3	98.8	98.8	99.1	99.3	99.3	99.4	99.4	99.5	99.6
≥ 200	60.4	88.7	91.9	94.8	96.7	97.3	98.3	98.8	98.9	99.2	99.4	99.4	99.5	99.5	99.6	99.8
≥ 100	60.4	88.7	91.9	94.8	96.7	97.3	98.3	98.8	98.9	99.2	99.4	99.4	99.5	99.6	99.7	100.0
≥ 0	60.4	88.7	91.9	94.8	96.7	97.3	98.3	98.8	98.9	99.2	99.4	99.4	99.5	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17906

ELLINGTON AFB TX

69-70,73-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	66.7	77.7	78.0	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 20000	69.8	81.2	81.6	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IN 18000	69.8	81.2	81.6	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IN 16000	69.8	81.2	81.6	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IN 14000	70.8	82.3	82.7	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IN 12000	72.3	84.2	84.6	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IN 10000	74.8	87.1	87.6	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IN 9000	75.2	87.6	88.0	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IN 8000	76.4	89.0	89.4	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IN 7000	77.3	89.9	90.3	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IN 6000	77.3	89.9	90.3	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IN 5000	78.2	90.8	91.2	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IN 4500	78.6	91.2	91.7	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IN 4000	79.0	91.7	92.1	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IN 3500	79.1	91.9	92.3	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IN 3000	79.7	92.8	93.2	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IN 2500	80.7	93.9	94.3	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IN 2000	81.8	95.1	95.6	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IN 1800	82.1	95.4	95.9	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IN 1500	83.3	96.9	97.3	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IN 1200	83.9	97.6	98.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IN 1000	84.2	98.0	98.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IN 900	84.3	98.1	98.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IN 800	84.3	98.1	98.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IN 700	84.3	98.1	98.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IN 600	84.3	98.1	98.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IN 500	84.4	98.2	98.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 400	84.4	98.2	98.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 300	84.4	98.2	98.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 200	84.4	98.2	98.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 100	84.4	98.2	98.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 0	84.4	98.2	98.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69-70,73-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	52.2	69.9	71.9	74.0	75.1	75.2	75.4	75.6	75.6	75.7	75.8	75.8	76.0	76.0	76.0	76.1
≥ 20000	56.3	74.7	76.7	79.2	80.3	80.4	80.7	80.8	80.8	80.9	81.0	81.0	81.2	81.2	81.2	81.3
≥ 18000	56.3	74.7	76.7	79.2	80.3	80.4	80.7	80.8	80.8	80.9	81.0	81.0	81.2	81.2	81.2	81.3
≥ 16000	56.3	74.7	76.7	79.2	80.3	80.4	80.7	80.8	80.8	80.9	81.0	81.0	81.2	81.2	81.2	81.3
≥ 14000	56.6	74.9	76.9	79.4	80.6	80.7	80.9	81.0	81.0	81.1	81.2	81.2	81.4	81.4	81.4	81.6
≥ 12000	58.2	77.6	79.6	82.1	83.2	83.3	83.6	83.7	83.7	83.8	83.9	83.9	84.1	84.1	84.1	84.2
≥ 10000	59.3	78.8	80.9	83.7	84.8	84.9	85.1	85.2	85.2	85.3	85.4	85.4	85.7	85.7	85.7	85.9
≥ 9000	60.2	79.8	81.9	84.7	85.8	85.9	86.1	86.2	86.2	86.3	86.4	86.4	86.7	86.7	86.7	86.8
≥ 8000	60.7	80.6	82.7	85.4	86.8	86.9	87.1	87.2	87.2	87.3	87.4	87.4	87.7	87.7	87.7	87.8
≥ 7000	62.2	82.1	84.2	87.0	88.3	88.4	88.7	88.8	88.8	88.9	89.0	89.0	89.2	89.2	89.2	89.3
≥ 6000	62.4	82.3	84.4	87.2	88.6	88.7	88.9	89.0	89.0	89.1	89.2	89.2	89.4	89.4	89.4	89.6
≥ 5000	63.1	83.2	85.3	88.3	89.7	89.8	90.0	90.1	90.1	90.2	90.3	90.3	90.6	90.6	90.6	90.7
≥ 4500	63.3	83.7	85.8	88.8	90.1	90.2	90.4	90.6	90.6	90.7	90.8	90.8	91.0	91.0	91.0	91.1
≥ 4000	64.0	84.9	87.0	90.0	91.3	91.4	91.7	91.8	91.8	91.9	92.0	92.0	92.2	92.2	92.2	92.3
≥ 3500	64.0	85.0	87.1	90.1	91.4	91.6	91.8	91.9	91.9	92.0	92.1	92.1	92.3	92.3	92.3	92.4
≥ 3000	65.0	86.8	88.9	91.9	93.2	93.3	93.6	93.7	93.7	93.8	93.9	93.9	94.1	94.1	94.1	94.2
≥ 2500	65.7	87.6	89.7	92.8	94.1	94.2	94.4	94.6	94.6	94.7	94.8	94.8	95.0	95.0	95.0	95.1
≥ 2000	66.7	88.9	91.0	94.2	95.6	95.7	95.9	96.0	96.0	96.1	96.2	96.2	96.4	96.4	96.4	96.6
≥ 1800	67.0	89.3	91.4	94.7	96.0	96.1	96.3	96.4	96.4	96.6	96.7	96.7	96.9	96.9	96.9	97.0
≥ 1500	67.6	90.1	92.2	95.4	96.8	96.9	97.1	97.2	97.2	97.3	97.4	97.4	97.7	97.7	97.7	97.8
≥ 1200	67.8	90.8	92.9	96.2	97.6	97.8	98.0	98.1	98.1	98.2	98.3	98.3	98.6	98.6	98.6	98.7
≥ 1000	68.1	91.6	93.7	97.0	98.3	98.6	98.8	99.0	99.0	99.1	99.2	99.2	99.4	99.4	99.4	99.6
≥ 900	68.1	91.7	93.8	97.1	98.4	98.7	98.9	99.1	99.1	99.2	99.3	99.3	99.6	99.6	99.6	99.7
≥ 800	68.1	91.7	93.8	97.1	98.4	98.7	98.9	99.1	99.1	99.3	99.4	99.4	99.7	99.7	99.7	99.8
≥ 700	68.1	91.7	93.8	97.1	98.4	98.7	98.9	99.1	99.1	99.3	99.4	99.4	99.7	99.7	99.7	99.8
≥ 600	68.1	91.7	93.8	97.1	98.4	98.7	98.9	99.1	99.1	99.3	99.4	99.4	99.7	99.7	99.7	99.8
≥ 500	68.1	91.7	93.8	97.1	98.4	98.7	98.9	99.1	99.1	99.3	99.4	99.4	99.7	99.7	99.7	99.8
≥ 400	68.1	91.7	93.8	97.1	98.4	98.7	98.9	99.1	99.1	99.3	99.4	99.4	99.7	99.7	99.7	99.8
≥ 300	68.1	91.7	93.8	97.2	98.6	98.8	99.0	99.2	99.2	99.4	99.7	99.7	99.9	99.9	99.9	100.0
≥ 200	68.1	91.7	93.8	97.2	98.6	98.8	99.0	99.2	99.2	99.4	99.7	99.7	99.9	99.9	99.9	100.0
≥ 100	68.1	91.7	93.8	97.2	98.6	98.8	99.0	99.2	99.2	99.4	99.7	99.7	99.9	99.9	99.9	100.0
≥ 0	68.1	91.7	93.8	97.2	98.6	98.8	99.0	99.2	99.2	99.4	99.7	99.7	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12976

ELLINGTON AFB TX

69-70,73-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING	35.5	56.2	63.2	63.4	67.2	68.1	70.7	71.3	71.6	72.0	72.3	72.3	72.3	72.3	72.4	72.4
≥ 20000	39.6	64.3	68.6	72.0	76.0	76.9	79.5	80.4	80.8	81.1	81.4	81.4	81.4	81.4	81.5	81.5
≥ 18000	39.7	64.4	68.7	72.1	76.2	77.1	79.8	80.6	81.0	81.3	81.6	81.6	81.6	81.6	81.8	81.8
≥ 16000	39.7	64.4	68.7	72.1	76.2	77.1	79.8	80.6	81.0	81.3	81.6	81.6	81.6	81.6	81.8	81.8
≥ 14000	40.2	65.1	69.4	72.7	76.9	77.8	80.4	81.3	81.6	82.0	82.3	82.3	82.3	82.3	82.4	82.4
≥ 12000	40.8	66.5	71.1	74.6	78.8	79.6	82.3	83.2	83.5	83.9	84.2	84.2	84.2	84.2	84.3	84.3
≥ 10000	41.5	67.9	72.5	76.2	80.3	81.2	83.9	85.0	85.3	85.7	86.0	86.0	86.0	86.0	86.1	86.1
≥ 9000	41.5	68.1	72.7	76.5	80.6	81.5	84.2	85.3	85.7	86.0	86.3	86.3	86.3	86.3	86.4	86.4
≥ 8000	41.8	68.7	73.5	77.3	81.6	82.5	85.3	86.5	86.9	87.3	87.7	87.7	87.7	87.7	87.8	87.8
≥ 7000	42.3	69.6	74.4	78.2	82.5	83.5	86.4	87.7	88.0	88.4	88.8	88.8	88.8	88.8	88.9	88.9
≥ 6000	42.5	69.9	74.6	78.4	82.8	83.8	86.7	87.9	88.2	88.7	89.0	89.0	89.0	89.0	89.1	89.1
≥ 5000	42.6	70.3	75.1	78.9	83.2	84.2	87.2	88.4	88.8	89.2	89.5	89.5	89.5	89.5	89.7	89.7
≥ 4500	42.7	70.4	75.2	79.0	83.3	84.3	87.3	88.5	88.9	89.3	89.7	89.7	89.7	89.7	89.8	89.8
≥ 4000	42.8	71.0	76.0	79.8	84.1	85.1	88.1	89.4	89.8	90.2	90.5	90.5	90.5	90.5	90.7	90.7
≥ 3500	42.8	71.3	76.3	80.1	84.4	85.4	88.4	89.8	90.1	90.5	90.9	90.9	90.9	90.9	91.0	91.0
≥ 3000	43.2	72.1	77.4	81.4	85.9	86.9	89.9	91.2	91.5	92.0	92.3	92.3	92.3	92.3	92.4	92.4
≥ 2500	43.5	72.5	77.9	81.9	86.4	87.5	90.5	91.9	92.2	92.7	93.0	93.0	93.0	93.0	93.1	93.1
≥ 2000	43.8	73.9	79.2	83.4	88.0	89.1	92.1	93.4	93.8	94.2	94.5	94.5	94.5	94.5	94.7	94.7
≥ 1800	43.9	74.4	79.8	84.0	88.5	89.9	92.9	94.2	94.5	95.0	95.3	95.3	95.3	95.3	95.4	95.4
≥ 1500	44.7	76.1	81.4	85.8	90.5	91.9	94.9	96.2	96.6	97.0	97.3	97.3	97.3	97.3	97.4	97.4
≥ 1200	45.1	76.9	82.3	86.8	91.5	92.9	96.0	97.3	97.7	98.1	98.4	98.4	98.4	98.4	98.6	98.6
≥ 1000	45.1	76.9	82.3	86.8	91.5	92.9	96.0	97.3	97.7	98.1	98.4	98.4	98.4	98.4	98.6	98.6
≥ 900	45.1	76.9	82.3	86.8	91.5	92.9	96.0	97.3	97.7	98.1	98.4	98.4	98.4	98.4	98.7	98.7
≥ 800	45.2	77.2	82.6	87.2	92.0	93.3	96.4	97.8	98.1	98.7	99.0	99.0	99.0	99.0	99.2	99.2
≥ 700	45.2	77.2	82.9	87.3	92.1	93.4	96.8	98.1	98.4	99.0	99.3	99.3	99.3	99.3	99.6	99.6
≥ 600	45.2	77.2	82.9	87.3	92.1	93.4	96.8	98.2	98.6	99.2	99.6	99.6	99.6	99.6	99.8	99.8
≥ 500	45.2	77.2	82.9	87.4	92.2	93.5	96.9	98.3	98.7	99.3	99.7	99.7	99.7	99.7	99.9	99.9
≥ 400	45.2	77.2	82.9	87.5	92.3	93.7	97.0	98.4	98.8	99.4	99.8	99.8	99.8	99.8	100.0	100.0
≥ 300	45.2	77.2	82.9	87.5	92.3	93.7	97.0	98.4	98.8	99.4	99.8	99.8	99.8	99.8	100.0	100.0
≥ 200	45.2	77.2	82.9	87.5	92.3	93.7	97.0	98.4	98.8	99.4	99.8	99.8	99.8	99.8	100.0	100.0
≥ 100	45.2	77.2	82.9	87.5	92.3	93.7	97.0	98.4	98.8	99.4	99.8	99.8	99.8	99.8	100.0	100.0
≥ 0	45.2	77.2	82.9	87.5	92.3	93.7	97.0	98.4	98.8	99.4	99.8	99.8	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 899

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69-70,73-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	46.9	59.9	61.3	62.3	62.9	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 20000	55.2	70.4	71.9	72.9	73.4	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 18000	55.7	70.9	72.3	73.3	73.9	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 16000	55.8	71.0	72.4	73.4	74.0	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 14000	56.6	71.8	73.2	74.2	74.8	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 12000	58.0	73.7	75.1	76.1	76.7	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 10000	59.8	76.1	77.6	78.6	79.3	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 9000	59.8	76.4	77.9	78.9	79.7	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 8000	60.1	77.6	79.0	80.0	80.9	81.1	81.2	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 7000	60.6	78.7	80.1	81.1	82.0	82.2	82.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 6000	60.8	79.0	80.4	81.4	82.3	82.6	82.7	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 5000	61.2	79.7	81.1	82.1	83.0	83.2	83.3	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 4500	61.3	79.9	81.3	82.3	83.2	83.4	83.6	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 4000	61.9	80.9	82.7	83.7	84.6	84.8	84.9	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 3500	62.6	81.7	83.6	84.7	85.6	85.8	85.9	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 3000	63.9	83.7	85.7	86.9	87.9	88.1	88.2	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 2500	65.9	86.1	88.1	89.3	90.3	90.6	90.8	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2000	68.7	89.7	91.9	93.4	94.6	94.8	95.0	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1800	69.2	90.4	92.7	94.2	95.3	95.7	95.9	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1500	70.0	91.8	94.0	95.6	96.8	97.1	97.3	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1200	70.2	92.8	95.0	96.6	97.8	98.1	98.3	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1000	70.6	93.2	95.4	97.0	98.2	98.6	98.8	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4
≥ 900	70.6	93.2	95.4	97.0	98.2	98.6	98.8	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4
≥ 800	70.8	93.4	95.7	97.2	98.4	98.9	99.1	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9
≥ 700	70.8	93.4	95.7	97.2	98.4	98.9	99.1	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9
≥ 600	70.8	93.4	95.7	97.2	98.4	98.9	99.1	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9
≥ 500	70.8	93.4	95.7	97.2	98.4	98.9	99.1	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9
≥ 400	70.8	93.6	95.8	97.3	98.6	99.0	99.2	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0
≥ 300	70.8	93.6	95.8	97.3	98.6	99.0	99.2	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0
≥ 200	70.8	93.6	95.8	97.3	98.6	99.0	99.2	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100	70.8	93.6	95.8	97.3	98.6	99.0	99.2	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0	70.8	93.6	95.8	97.3	98.6	99.0	99.2	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12976

ELLINGTON AFB TX

69-70,73-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	49.6	60.2	60.8	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 20000	58.6	71.6	72.5	72.6	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 18000	58.8	71.9	72.7	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 16000	59.2	72.2	73.1	73.2	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 14000	59.6	73.1	74.1	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 12000	61.6	75.3	76.3	76.4	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 10000	63.6	78.0	79.0	79.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 9000	64.1	78.9	79.9	80.0	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 8000	64.3	79.4	80.4	80.5	81.2	81.2	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV 7000	64.4	79.9	80.9	81.2	81.9	81.9	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 6000	64.8	80.4	81.4	81.8	82.4	82.4	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 5000	65.5	81.3	82.3	82.6	83.3	83.3	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 4500	65.6	81.8	82.8	83.1	83.8	83.8	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 4000	66.2	83.2	84.2	84.5	85.2	85.2	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 3500	66.9	84.3	85.3	85.7	86.3	86.3	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 3000	70.3	89.2	90.5	91.0	91.8	91.8	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 2500	72.5	91.5	93.0	93.4	94.2	94.2	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 2000	74.2	94.3	95.8	96.3	97.2	97.2	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1800	74.6	94.8	96.2	96.8	97.7	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1500	75.0	95.3	96.9	97.6	98.6	98.6	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1200	75.1	95.8	97.3	98.0	99.0	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1000	75.1	95.8	97.3	98.0	99.0	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 900	75.1	95.8	97.3	98.0	99.0	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 800	75.1	95.8	97.3	98.0	99.0	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 700	75.1	95.8	97.4	98.1	99.1	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8
IV 600	75.1	95.9	97.6	98.2	99.2	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
IV 500	75.1	95.9	97.6	98.2	99.2	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
IV 400	75.1	95.9	97.6	98.2	99.3	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 300	75.1	95.9	97.6	98.2	99.3	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 200	75.1	95.9	97.6	98.2	99.3	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 100	75.1	95.9	97.6	98.2	99.3	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 0	75.1	95.9	97.6	98.2	99.3	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69-70,73-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	55.9	66.2	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 20000	65.8	78.2	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 18000	65.8	78.2	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 16000	65.8	78.2	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 14000	66.9	79.7	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 12000	68.9	81.7	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 10000	71.1	84.3	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 9000	71.2	84.7	85.3	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 8000	71.9	86.0	86.7	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 7000	72.7	86.9	87.6	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 6000	73.1	87.3	88.0	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 5000	73.9	88.4	89.1	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 4500	74.2	88.8	89.4	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 4000	74.7	89.3	90.0	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 3500	75.0	90.3	91.1	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 3000	77.0	93.2	94.0	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 2500	77.9	94.2	95.2	95.7	96.0	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 2000	79.4	96.1	97.1	97.6	97.9	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1800	79.8	96.4	97.4	97.9	98.2	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 1500	80.0	97.2	98.2	98.7	99.0	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1200	80.1	97.3	98.3	98.8	99.1	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000	80.2	97.4	98.4	98.9	99.2	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 900	80.2	97.4	98.4	98.9	99.2	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 800	80.2	97.4	98.4	98.9	99.2	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 700	80.2	97.6	98.6	99.1	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	80.2	97.6	98.6	99.2	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	80.2	97.6	98.6	99.2	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	80.2	97.6	98.6	99.2	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	80.2	97.6	98.6	99.2	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	80.2	97.6	98.6	99.2	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	80.2	97.6	98.6	99.2	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	80.2	97.6	98.6	99.2	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69-70,73-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	63.7 74.6	72.3 85.4	72.7 86.1	72.9 86.3	72.9 86.3	72.9 86.3	72.9 86.3	72.9 86.3	72.9 86.3	72.9 86.3	72.9 86.3	72.9 86.3	72.9 86.3	72.9 86.3	72.9 86.3	72.9 86.3
≥ 18000 ≥ 16000	74.7 74.7	85.6 85.6	86.1 86.1	86.4 86.4	86.4 86.4	86.4 86.4	86.4 86.4	86.4 86.4	86.4 86.4	86.4 86.4	86.4 86.4	86.4 86.4	86.4 86.4	86.4 86.4	86.4 86.4	86.4 86.4
≥ 14000 ≥ 12000	75.1 76.6	86.1 87.8	86.7 88.3	87.0 88.7	87.0 88.7	87.0 88.7	87.0 88.7	87.0 88.7	87.0 88.7	87.0 88.7	87.0 88.7	87.0 88.7	87.0 88.7	87.0 88.7	87.0 88.7	87.0 88.7
≥ 10000 ≥ 9000	78.6 78.9	90.1 90.4	90.7 91.0	91.0 91.3	91.0 91.3	91.0 91.3	91.0 91.3	91.0 91.3	91.0 91.3	91.0 91.3	91.0 91.3	91.0 91.3	91.0 91.3	91.0 91.3	91.0 91.3	91.0 91.3
≥ 8000 ≥ 7000	79.2 80.1	90.9 91.9	91.7 92.7	92.1 93.1	92.1 93.1	92.1 93.1	92.1 93.1	92.1 93.1	92.1 93.1	92.1 93.1	92.1 93.1	92.1 93.1	92.1 93.1	92.1 93.1	92.1 93.1	92.1 93.1
≥ 6000 ≥ 5000	80.4 80.9	92.3 92.9	93.2 93.8	93.7 94.2	93.7 94.2	93.7 94.2	93.7 94.2	93.7 94.2	93.7 94.2	93.7 94.2	93.7 94.2	93.7 94.2	93.7 94.2	93.7 94.2	93.7 94.2	93.7 94.2
≥ 4500 ≥ 4000	81.0 81.3	93.0 93.6	93.9 94.4	94.3 94.9	94.3 94.9	94.3 94.9	94.3 94.9	94.3 94.9	94.3 94.9	94.3 94.9	94.3 94.9	94.3 94.9	94.3 94.9	94.3 94.9	94.3 94.9	94.3 94.9
≥ 3500 ≥ 3000	81.3 81.9	93.9 94.9	94.8 95.8	95.2 96.2	95.2 96.2	95.2 96.2	95.2 96.3	95.2 96.3	95.2 96.3	95.2 96.3	95.2 96.3	95.2 96.3	95.2 96.3	95.2 96.3	95.2 96.3	95.2 96.3
≥ 2500 ≥ 2000	82.9 83.6	95.9 96.7	96.8 97.6	97.2 98.0	97.2 98.0	97.2 98.0	97.3 98.1	97.3 98.1	97.4 98.3	97.4 98.3	97.4 98.3	97.4 98.3	97.4 98.3	97.4 98.3	97.4 98.3	97.4 98.3
≥ 1800 ≥ 1500	83.6 83.9	96.7 97.1	97.7 98.1	98.1 98.6	98.1 98.6	98.2 98.6	98.2 98.7	98.2 98.7	98.4 98.9	98.4 98.9	98.4 98.9	98.4 98.9	98.4 98.9	98.4 98.9	98.4 98.9	98.4 98.9
≥ 1200 ≥ 1000	84.0 84.1	97.3 97.6	98.3 98.6	98.8 99.0	98.8 99.0	98.8 99.0	98.9 99.1	98.9 99.1	99.1 99.3	99.1 99.3	99.1 99.3	99.1 99.3	99.1 99.3	99.1 99.3	99.1 99.4	99.1 99.4
≥ 900 ≥ 800	84.1 84.2	97.6 97.9	98.6 98.9	99.0 99.3	99.0 99.3	99.0 99.3	99.1 99.4	99.1 99.4	99.3 99.7	99.3 99.7	99.3 99.7	99.3 99.7	99.3 99.7	99.3 99.7	99.4 99.8	99.4 99.8
≥ 700 ≥ 600	84.2 84.2	97.9 97.9	98.9 98.9	99.3 99.3	99.3 99.3	99.3 99.3	99.4 99.4	99.4 99.4	99.7 99.8	99.7 99.8	99.7 99.8	99.7 99.8	99.7 99.8	99.7 99.8	99.8 99.8	99.8 99.9
≥ 500 ≥ 400	84.2 84.2	97.9 97.9	98.9 98.9	99.3 99.3	99.3 99.3	99.3 99.3	99.4 99.4	99.4 99.4	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.9 100.0	100.0 100.0
≥ 300 ≥ 200	84.2 84.2	97.9 97.9	98.9 98.9	99.3 99.3	99.3 99.3	99.3 99.3	99.4 99.4	99.4 99.4	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.9 100.0	100.0 100.0
≥ 100 ≥ 0	84.2 84.2	97.9 97.9	98.9 98.9	99.3 99.3	99.3 99.3	99.3 99.3	99.4 99.4	99.4 99.4	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.9 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69-70,73-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	≥¼
NO CEILING	74.6	81.7	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 20000	79.7	87.3	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 18000	79.7	87.3	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 16000	79.7	87.3	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 14000	80.4	88.2	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 12000	81.8	89.6	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 10000	84.0	91.9	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 9000	84.2	92.1	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 8000	85.6	93.6	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 7000	86.0	94.1	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 6000	86.2	94.3	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 5000	86.7	94.8	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 4500	86.7	94.8	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 4000	87.4	95.6	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 3500	87.7	95.8	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 3000	88.1	96.3	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 2500	88.6	96.9	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 2000	89.6	98.2	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 1800	89.8	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1500	90.2	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1200	90.3	99.0	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1000	90.6	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	90.6	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	90.6	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	90.6	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	90.6	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	90.6	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	90.6	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	90.6	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	90.6	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	90.6	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	90.6	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12476

ELLINGTON AFB TX

69-70,73-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURE (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	55.6	68.0	69.2	70.2	70.9	71.0	71.4	71.5	71.5	71.6	71.6	71.6	71.7	71.7	71.7	71.7
≥ 20000	62.4	76.7	78.0	79.0	79.8	79.9	80.3	80.4	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6
≥ 18000	62.6	76.8	78.1	79.1	79.9	80.1	80.4	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.8	80.8
≥ 16000	62.6	76.8	78.1	79.2	80.0	80.1	80.5	80.6	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8
≥ 14000	63.3	77.6	79.0	80.0	80.8	81.0	81.3	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.7
≥ 12000	64.8	79.5	80.9	82.0	82.8	82.9	83.3	83.4	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6
≥ 10000	66.6	81.8	83.2	84.3	85.1	85.3	85.7	85.8	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0
≥ 9000	66.9	82.2	83.6	84.8	85.6	85.8	86.2	86.3	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.6
≥ 8000	67.5	83.2	84.7	85.8	86.8	87.0	87.4	87.6	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8
≥ 7000	68.2	84.1	85.6	86.8	87.7	87.9	88.3	88.6	88.6	88.7	88.8	88.8	88.8	88.8	88.8	88.8
≥ 6000	68.5	84.4	85.9	87.1	88.1	88.2	88.7	88.9	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1
≥ 5000	69.0	85.2	86.6	87.9	88.8	89.0	89.4	89.7	89.7	89.8	89.9	89.9	89.9	89.9	89.9	89.9
≥ 4500	69.2	85.4	86.9	88.1	89.1	89.3	89.7	90.0	90.0	90.1	90.1	90.1	90.2	90.2	90.2	90.2
≥ 4000	69.7	86.3	87.8	89.0	90.0	90.2	90.6	90.9	90.9	91.0	91.0	91.0	91.1	91.1	91.1	91.1
≥ 3500	69.9	86.8	88.3	89.6	90.6	90.7	91.2	91.4	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.7
≥ 3000	71.1	88.6	90.3	91.6	92.6	92.8	93.2	93.5	93.5	93.6	93.7	93.7	93.7	93.7	93.7	93.7
≥ 2500	72.2	89.8	91.5	92.9	93.9	94.1	94.6	94.9	94.9	95.0	95.1	95.1	95.1	95.1	95.1	95.1
≥ 2000	73.5	91.6	93.3	94.8	95.9	96.1	96.6	96.8	96.9	97.0	97.0	97.0	97.1	97.1	97.1	97.1
≥ 1800	73.8	92.0	93.7	95.2	96.2	96.5	97.0	97.3	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1500	74.3	92.9	94.7	96.2	97.3	97.5	98.0	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.6	98.6
≥ 1200	74.6	93.4	95.2	96.7	97.8	98.1	98.6	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1000	74.7	93.7	95.5	97.0	98.1	98.4	98.9	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.5	99.5
≥ 900	74.8	93.8	95.5	97.1	98.2	98.4	98.9	99.2	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5
≥ 800	74.8	93.9	95.7	97.2	98.3	98.6	99.1	99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 700	74.8	93.9	95.7	97.2	98.3	98.6	99.2	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.8	99.8
≥ 600	74.8	93.9	95.7	97.3	98.4	98.6	99.2	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9
≥ 500	74.8	93.9	95.7	97.3	98.4	98.7	99.2	99.5	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9
≥ 400	74.8	93.9	95.7	97.3	98.4	98.7	99.3	99.6	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0
≥ 300	74.8	93.9	95.7	97.3	98.5	98.7	99.3	99.6	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0
≥ 200	74.8	93.9	95.7	97.3	98.5	98.7	99.3	99.6	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0
≥ 100	74.8	93.9	95.7	97.3	98.5	98.7	99.3	99.6	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0
≥ 0	74.8	93.9	95.7	97.3	98.5	98.7	99.3	99.6	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7198

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69-70,73-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES:															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	72.3	75.9	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 20000	77.8	83.3	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 18000	77.8	83.3	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 16000	77.8	83.3	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 14000	78.2	83.8	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 12000	79.4	84.9	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 10000	85.1	91.0	92.7	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 9000	85.4	91.3	93.0	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 8000	86.8	92.7	94.4	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 7000	88.1	94.2	95.9	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 6000	88.1	94.3	96.0	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 5000	88.3	94.5	96.2	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 4500	88.4	94.6	96.3	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 4000	88.6	94.9	96.7	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 3500	88.9	95.3	97.0	97.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 3000	89.6	95.9	97.6	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7
IV 2500	89.6	95.9	97.6	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7
IV 2000	89.9	96.3	98.1	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1
IV 1800	90.0	96.5	98.2	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2
IV 1500	90.1	96.6	98.5	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6
IV 1200	90.1	96.6	98.5	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6
IV 1000	90.3	96.8	98.7	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
IV 900	90.3	96.8	98.7	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
IV 800	90.3	96.8	98.7	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
IV 700	90.3	96.8	98.7	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
IV 600	90.3	96.8	98.7	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
IV 500	90.3	96.8	98.7	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0
IV 400	90.3	96.8	98.7	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0
IV 300	90.3	96.8	98.7	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0
IV 200	90.3	96.8	98.7	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0
IV 100	90.3	96.8	98.7	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0
IV 0	90.3	96.8	98.7	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1996

ELLINGTON AFB TX

69-70,73-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	64.3	73.4	75.2	75.7	76.3	76.3	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 20000	68.5	78.9	81.1	81.9	82.7	82.7	82.8	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 18000	68.5	78.9	81.1	81.9	82.7	82.7	82.8	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 16000	68.5	78.9	81.1	81.9	82.7	82.7	82.8	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 14000	68.6	79.2	81.4	82.3	83.0	83.0	83.1	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 12000	70.3	81.0	83.1	84.0	84.7	84.7	84.8	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 10000	76.7	87.7	89.9	90.8	91.7	91.8	91.9	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 9000	77.3	88.4	90.5	91.4	92.4	92.5	92.6	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 8000	78.8	90.1	92.4	93.2	94.4	94.5	94.6	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 7000	79.7	91.1	93.3	94.2	95.4	95.5	95.6	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 6000	80.1	91.5	93.8	94.6	95.8	95.9	96.0	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 5000	80.4	91.8	94.1	94.9	96.1	96.2	96.3	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 4500	80.5	91.9	94.2	95.1	96.2	96.3	96.5	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 4000	81.1	92.5	94.7	95.6	96.8	96.9	97.0	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 3500	81.3	92.7	94.9	95.8	97.2	97.3	97.4	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 3000	81.5	92.9	95.2	96.0	97.4	97.5	97.6	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 2500	81.6	93.0	95.3	96.1	97.5	97.6	97.7	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 2000	82.0	93.5	95.9	96.8	98.2	98.3	98.5	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1800	82.0	93.5	95.9	96.8	98.2	98.3	98.5	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1500	82.2	93.7	96.1	97.0	98.5	98.6	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1200	82.3	93.9	96.3	97.2	98.7	98.8	99.0	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	82.4	94.0	96.5	97.3	98.8	98.9	99.1	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900	82.4	94.0	96.5	97.3	98.8	98.9	99.1	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800	82.4	94.0	96.5	97.3	98.8	98.9	99.1	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 700	82.4	94.0	96.5	97.3	98.8	98.9	99.1	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	82.4	94.0	96.5	97.3	98.8	98.9	99.1	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	82.4	94.1	96.6	97.4	98.9	99.0	99.2	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	82.4	94.1	96.6	97.4	99.0	99.1	99.4	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	82.4	94.1	96.6	97.4	99.0	99.1	99.4	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	82.4	94.1	96.6	97.4	99.0	99.1	99.4	99.6	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0
≥ 100	82.4	94.1	96.6	97.4	99.0	99.1	99.4	99.6	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0
≥ 0	82.4	94.1	96.6	97.4	99.0	99.1	99.4	99.6	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12986

ELLINGTON AFB TX

69-70,73-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0600
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	39.1	59.2	62.0	64.9	66.7	67.3	69.0	69.6	70.0	70.5	70.5	70.5	70.5	70.6	70.6	70.6
≥ 20000	42.8	65.7	68.6	72.0	74.2	75.2	76.8	77.5	78.0	78.4	78.4	78.4	78.4	78.6	78.7	78.7
≥ 18000	42.8	65.7	68.6	72.0	74.2	75.2	76.8	77.5	78.0	78.4	78.4	78.4	78.4	78.6	78.7	78.7
≥ 16000	42.8	65.7	68.6	72.0	74.2	75.2	76.8	77.5	78.0	78.4	78.4	78.4	78.4	78.6	78.7	78.7
≥ 14000	43.9	67.2	70.2	73.6	76.0	76.9	78.6	79.2	79.8	80.3	80.3	80.3	80.4	80.5	80.5	80.5
≥ 12000	45.6	70.6	73.9	77.6	80.1	81.0	82.7	83.3	83.9	84.4	84.4	84.4	84.5	84.6	84.6	84.6
≥ 10000	49.5	75.9	79.3	83.1	85.6	86.6	88.4	89.0	89.7	90.1	90.1	90.1	90.2	90.3	90.3	90.3
≥ 9000	49.8	76.3	79.7	83.5	86.0	87.1	88.8	89.4	90.1	90.5	90.5	90.5	90.6	90.7	90.7	90.7
≥ 8000	51.9	79.2	82.7	86.4	89.0	90.1	92.1	92.8	93.4	94.0	94.0	94.0	94.1	94.2	94.2	94.2
≥ 7000	52.0	79.7	83.2	87.1	89.7	90.7	92.8	93.4	94.1	94.6	94.6	94.6	94.7	94.8	94.8	94.8
≥ 6000	52.7	80.7	84.2	88.0	90.6	91.7	93.8	94.4	95.0	95.6	95.6	95.6	95.7	95.8	95.8	95.8
≥ 5000	53.1	81.4	84.8	88.7	91.3	92.3	94.4	95.0	95.7	96.2	96.2	96.2	96.3	96.4	96.4	96.4
≥ 4500	53.2	81.5	84.9	88.8	91.4	92.5	94.5	95.2	95.8	96.3	96.3	96.3	96.4	96.6	96.6	96.6
≥ 4000	53.4	81.7	85.1	89.0	91.6	92.7	94.8	95.5	96.1	96.7	96.7	96.7	96.8	96.9	96.9	96.9
≥ 3500	53.7	82.1	85.6	89.4	92.0	93.1	95.3	95.9	96.6	97.1	97.1	97.1	97.2	97.3	97.3	97.3
≥ 3000	53.8	82.3	85.8	89.7	92.2	93.3	95.5	96.1	96.8	97.3	97.3	97.3	97.4	97.5	97.5	97.5
≥ 2500	53.9	82.7	86.1	90.0	92.6	93.6	95.8	96.4	97.1	97.6	97.6	97.6	97.7	97.8	97.8	97.8
≥ 2000	54.0	83.0	86.4	90.4	93.0	94.1	96.2	96.9	97.5	98.1	98.1	98.1	98.2	98.3	98.3	98.3
≥ 1800	54.1	83.1	86.5	90.5	93.1	94.2	96.3	97.0	97.6	98.2	98.2	98.2	98.3	98.4	98.4	98.4
≥ 1500	54.1	83.3	86.9	90.8	93.5	94.6	96.8	97.4	98.1	98.6	98.6	98.6	98.7	98.8	98.8	98.8
≥ 1200	54.3	83.6	87.2	91.3	94.0	95.0	97.2	97.8	98.5	99.0	99.0	99.0	99.1	99.2	99.2	99.2
≥ 1000	54.4	83.7	87.4	91.5	94.2	95.3	97.4	98.1	98.7	99.2	99.2	99.2	99.4	99.5	99.5	99.5
≥ 900	54.4	83.7	87.4	91.5	94.3	95.4	97.5	98.2	98.8	99.4	99.4	99.4	99.5	99.6	99.6	99.6
≥ 800	54.5	83.8	87.5	91.6	94.4	95.5	97.6	98.3	98.9	99.5	99.5	99.5	99.6	99.7	99.7	99.7
≥ 700	54.5	83.8	87.5	91.6	94.4	95.5	97.6	98.3	98.9	99.5	99.5	99.5	99.6	99.7	99.7	99.7
≥ 600	54.5	83.8	87.5	91.6	94.4	95.5	97.6	98.3	98.9	99.5	99.5	99.5	99.6	99.7	99.7	99.7
≥ 500	54.5	83.8	87.5	91.6	94.4	95.5	97.7	98.5	99.1	99.7	99.7	99.8	99.8	99.9	100.0	100.0
≥ 400	54.5	83.8	87.5	91.6	94.4	95.5	97.7	98.5	99.1	99.7	99.7	99.8	99.8	99.9	100.0	100.0
≥ 300	54.5	83.8	87.5	91.6	94.4	95.5	97.7	98.5	99.1	99.7	99.7	99.8	99.8	99.9	100.0	100.0
≥ 200	54.5	83.8	87.5	91.6	94.4	95.5	97.7	98.5	99.1	99.7	99.7	99.8	99.8	99.9	100.0	100.0
≥ 100	54.5	83.8	87.5	91.6	94.4	95.5	97.7	98.5	99.1	99.7	99.7	99.8	99.8	99.9	100.0	100.0
≥ 0	54.5	83.8	87.5	91.6	94.4	95.5	97.7	98.5	99.1	99.7	99.7	99.8	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 925

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69-70,73-87

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

3900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	49.3	59.4	60.2	60.6	61.1	61.3	61.4	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 20000	59.3	71.9	72.4	73.4	73.9	74.2	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 18000	59.3	71.9	73.0	73.5	74.0	74.3	74.4	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 16000	59.3	72.0	73.1	73.7	74.1	74.4	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 14000	61.0	73.5	74.8	75.4	75.8	76.1	76.2	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 12000	62.7	77.1	78.2	78.7	79.2	79.6	79.8	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 10000	67.3	82.7	83.9	84.5	85.2	85.5	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 9000	67.4	83.2	84.4	85.1	85.7	86.0	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 8000	69.3	85.5	86.7	87.5	88.4	88.7	88.9	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 7000	69.4	86.1	87.3	88.2	89.0	89.4	89.6	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 6000	70.1	87.1	88.3	89.1	90.0	90.3	90.5	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 5000	70.3	87.4	88.6	89.5	90.3	90.6	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 4500	70.4	87.5	88.7	89.6	90.4	90.8	91.0	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 4000	70.8	88.2	89.5	90.4	91.4	91.7	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 3500	71.2	88.8	90.2	91.2	92.2	92.5	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 3000	72.5	90.3	91.7	92.7	94.0	94.3	94.5	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 2500	73.2	91.8	93.3	94.3	95.7	96.0	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 2000	73.7	92.5	94.1	95.1	96.7	97.0	97.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800	74.0	92.8	94.4	95.5	97.1	97.4	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1500	74.1	93.4	95.2	96.3	98.0	98.3	98.5	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	74.5	94.1	95.8	97.0	98.7	99.0	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000	74.5	94.1	95.8	97.0	98.7	99.0	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	74.5	94.3	96.0	97.2	98.9	99.2	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	74.5	94.4	96.1	97.3	99.0	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	74.5	94.4	96.1	97.3	99.0	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	74.5	94.4	96.1	97.3	99.0	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	74.5	94.4	96.1	97.3	99.0	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	74.5	94.4	96.1	97.3	99.0	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	74.5	94.4	96.1	97.3	99.0	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	74.5	94.4	96.1	97.3	99.0	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	74.5	94.4	96.1	97.3	99.0	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	74.5	94.4	96.1	97.3	99.0	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69-70,73-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	46.3	55.6	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 20000	60.0	71.8	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 18000	60.1	72.0	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 16000	60.1	72.0	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 14000	61.1	73.0	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 12000	64.7	78.0	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 10000	70.2	85.2	85.5	85.6	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 9000	70.4	85.6	85.9	86.0	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 8000	71.9	87.7	88.1	88.3	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 7000	72.4	88.4	88.6	89.0	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 6000	72.6	88.9	89.6	89.8	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 5000	73.0	89.5	90.1	90.3	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 4500	73.2	89.6	90.4	90.6	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 4000	73.5	90.6	91.5	91.8	92.4	92.5	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 3500	74.2	91.3	92.2	92.5	93.1	93.2	93.3	93.3	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 3000	75.6	93.2	94.2	94.5	95.2	95.3	95.5	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 2500	76.2	94.4	95.5	95.9	96.7	96.9	97.1	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 2000	76.9	95.3	96.5	96.9	98.0	98.3	98.5	98.5	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1800	76.9	95.3	96.5	96.9	98.0	98.3	98.5	98.5	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1500	77.1	95.5	96.8	97.2	98.3	98.6	98.9	99.0	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	77.2	95.6	96.9	97.3	98.4	98.7	99.0	99.1	99.2	99.5	99.5	99.5	99.5	99.6	99.6	99.6
≥ 1000	77.2	95.7	97.1	97.5	98.6	98.9	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 900	77.2	95.7	97.1	97.5	98.6	98.9	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 800	77.2	95.7	97.1	97.5	98.6	98.9	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 700	77.2	95.7	97.1	97.5	98.6	98.9	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 600	77.2	95.7	97.1	97.5	98.6	98.9	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 500	77.2	95.7	97.1	97.5	98.6	98.9	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 400	77.2	95.7	97.1	97.5	98.6	98.9	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 300	77.2	95.7	97.1	97.5	98.6	98.9	99.4	99.5	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 200	77.2	95.7	97.1	97.5	98.6	98.9	99.4	99.5	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100	77.2	95.7	97.1	97.5	98.6	98.9	99.4	99.5	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0	77.2	95.7	97.1	97.5	98.6	98.9	99.4	99.5	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69-70,73-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	46.2	53.5	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 20000	67.7	78.1	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 18000	67.8	78.4	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 16000	68.1	78.6	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 14000	68.6	79.5	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 12000	70.5	81.8	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 10000	74.6	86.8	87.2	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 9000	75.8	88.5	89.1	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 8000	78.1	91.0	91.7	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 7000	78.3	91.3	92.0	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 6000	78.5	91.8	92.6	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 5000	78.8	92.4	93.1	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 4500	78.8	92.4	93.1	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 4000	79.2	93.7	94.4	94.9	94.9	94.9	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 3500	79.7	94.1	94.9	95.8	95.8	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 3000	80.4	95.6	96.5	97.3	97.3	97.3	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 2500	80.8	96.1	97.2	98.4	98.4	98.4	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 2000	81.3	96.9	98.0	99.1	99.2	99.2	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1800	81.3	96.9	98.0	99.1	99.2	99.2	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1500	81.4	97.0	98.1	99.2	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200	81.4	97.0	98.1	99.2	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	81.4	97.1	98.2	99.4	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	81.4	97.1	98.2	99.4	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	81.4	97.1	98.2	99.4	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	81.4	97.1	98.2	99.4	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	81.4	97.1	98.2	99.4	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	81.4	97.1	98.2	99.4	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	81.4	97.1	98.2	99.4	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	81.4	97.1	98.2	99.4	99.5	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	81.4	97.1	98.2	99.4	99.5	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	81.4	97.1	98.2	99.4	99.5	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	81.4	97.1	98.2	99.4	99.5	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) JUL 66 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69-70,73-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	56.7	61.5	61.6	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 20000	73.7	82.3	82.6	82.8	83.2	83.2	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 18000	73.9	82.6	83.3	83.5	83.8	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 16000	74.2	83.0	83.6	83.8	84.1	84.1	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 14000	74.9	83.9	84.6	84.8	85.1	85.1	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 12000	75.9	85.2	85.9	86.1	86.4	86.4	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 10000	78.7	89.5	90.4	90.8	91.2	91.2	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 9000	79.6	90.5	91.4	92.0	92.3	92.4	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 8000	80.7	92.0	92.9	93.5	93.9	94.0	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 7000	81.3	92.8	93.6	94.3	94.6	94.7	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 6000	82.2	93.9	94.8	95.6	95.9	96.0	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 5000	82.3	94.0	94.9	95.7	96.0	96.1	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 4500	82.3	94.0	94.9	95.7	96.0	96.1	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 4000	82.4	94.3	95.4	96.1	96.4	96.5	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 3500	82.5	94.7	95.8	96.8	97.1	97.2	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 3000	82.5	95.3	96.3	97.4	97.7	97.8	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 2500	82.6	95.6	96.8	98.0	98.3	98.4	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 2000	83.0	96.0	97.2	98.4	98.8	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1800	83.0	96.0	97.2	98.4	98.8	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1500	83.1	96.1	97.4	98.6	99.0	99.1	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1200	83.2	96.2	97.5	98.7	99.1	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1000	83.2	96.2	97.5	98.8	99.2	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
IV 900	83.2	96.2	97.5	98.8	99.2	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
IV 800	83.2	96.2	97.5	98.8	99.2	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
IV 700	83.2	96.2	97.5	98.8	99.2	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
IV 600	83.2	96.2	97.5	98.8	99.2	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
IV 500	83.2	96.2	97.5	98.8	99.2	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
IV 400	83.2	96.2	97.5	98.8	99.2	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
IV 300	83.2	96.2	97.5	98.8	99.2	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
IV 200	83.2	96.2	97.5	98.8	99.2	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
IV 100	83.2	96.2	97.5	98.8	99.2	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
IV 0	83.2	96.2	97.5	98.8	99.2	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 927

USAF ETAC FORM 0-14-5 (OL A) JUL 66 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69-70,73-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¼	≥0
NO CEILING ≥ 20000	71.8 82.4	75.1 87.2	75.3 87.6	75.6 88.0	75.7 88.1	75.7 88.1	75.7 88.1	75.7 88.1	75.7 88.1	75.7 88.1	75.7 88.1	75.7 88.1	75.7 88.1	75.7 88.1	75.7 88.1	75.7 88.1
IV 18000 IV 16000	82.4 82.6	87.4 97.6	87.8 88.0	88.2 88.5	88.3 88.6	88.3 88.6	88.3 88.6	88.3 88.6	88.3 88.6	88.3 88.6	88.3 88.6	88.3 88.6	88.3 88.6	88.3 88.6	88.3 88.6	88.3 88.6
IV 14000 IV 12000	83.1 84.0	88.0 89.0	88.5 89.4	88.9 89.9	89.0 90.0	89.0 90.0	89.0 90.0	89.0 90.0	89.0 90.0	89.0 90.0	89.0 90.0	89.0 90.0	89.0 90.0	89.0 90.0	89.0 90.0	89.0 90.0
IV 10000 IV 9000	87.5 88.0	92.9 93.5	93.4 94.1	93.9 94.5	94.0 94.6	94.0 94.6	94.0 94.6	94.0 94.6	94.0 94.6	94.0 94.6	94.0 94.6	94.0 94.6	94.0 94.6	94.0 94.6	94.0 94.6	94.0 94.6
IV 8000 IV 7000	89.2 90.7	94.9 96.4	95.5 97.0	95.9 97.4	96.0 97.5	96.0 97.5	96.0 97.5	96.0 97.5	96.0 97.5	96.0 97.5	96.0 97.5	96.0 97.5	96.0 97.5	96.0 97.5	96.0 97.5	96.0 97.5
IV 6000 IV 5000	90.8 91.0	96.5 96.8	97.1 97.3	97.5 97.7	97.6 97.8	97.6 97.8	97.6 97.8	97.6 97.8	97.6 97.8	97.6 97.8	97.6 97.8	97.6 97.8	97.6 97.8	97.6 97.8	97.6 97.8	97.6 97.8
IV 4500 IV 4000	91.0 91.0	96.8 96.8	97.3 97.3	97.7 97.7	97.8 97.8	97.8 97.8	97.8 97.8	97.8 97.8	97.8 97.8	97.8 97.8	97.8 97.8	97.8 97.8	97.8 97.8	97.8 97.8	97.8 97.8	97.8 97.8
IV 3500 IV 3000	91.3 91.4	97.3 97.5	98.0 98.3	98.4 98.7	98.8 99.1	98.8 99.1	98.8 99.1	98.8 99.1	98.8 99.1	98.8 99.1	98.8 99.1	98.8 99.1	98.8 99.1	98.8 99.1	98.8 99.1	98.8 99.1
IV 2500 IV 2000	91.4 91.4	97.5 97.5	98.3 98.3	98.7 98.7	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1
IV 1800 IV 1500	91.4 91.7	97.5 97.8	98.3 98.6	98.7 99.0	99.1 99.5	99.1 99.5	99.1 99.5	99.1 99.6	99.1 99.6	99.1 99.6	99.1 99.6	99.1 99.6	99.1 99.6	99.1 99.6	99.1 99.6	99.1 99.6
IV 1200 IV 1000	91.7 91.7	97.8 98.0	98.6 98.7	99.0 99.1	99.5 99.6	99.5 99.6	99.5 99.6	99.6 99.7	99.6 99.7	99.6 99.7	99.6 99.7	99.6 99.7	99.6 99.7	99.6 99.7	99.6 99.7	99.6 99.7
IV 900 IV 800	91.8 91.8	98.1 98.1	98.8 98.8	99.2 99.2	99.7 99.7	99.7 99.7	99.7 99.7	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8
IV 700 IV 600	91.8 91.8	98.1 98.1	98.8 98.8	99.2 99.2	99.7 99.7	99.7 99.7	99.7 99.7	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8
IV 500 IV 400	91.8 91.8	98.1 98.1	98.8 98.8	99.2 99.2	99.8 99.8	99.8 99.8	99.8 99.8	99.9 99.9	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 300 IV 200	91.8 91.8	98.1 98.1	98.8 98.8	99.2 99.2	99.8 99.8	99.8 99.8	99.8 99.8	99.9 99.9	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 100 0	91.8 91.8	98.1 98.1	98.8 98.8	99.2 99.2	99.8 99.8	99.8 99.8	99.8 99.8	99.9 99.9	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 927

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69-70,73-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	55.7	64.2	65.1	65.7	66.1	66.2	66.4	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 20000	66.6	77.4	78.5	79.3	79.7	79.9	80.2	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 18000	66.6	77.5	78.7	79.5	80.0	80.1	80.4	80.5	80.5	80.6	80.6	80.6	80.6	80.7	80.7	80.7
≥ 16000	66.7	77.7	78.8	79.6	80.1	80.2	80.5	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.8	80.8
≥ 14000	67.4	78.6	79.7	80.5	81.0	81.1	81.4	81.5	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 12000	69.1	80.9	82.2	83.0	83.5	83.7	83.9	84.0	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 10000	73.7	86.5	87.8	88.7	89.3	89.5	89.8	89.9	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 9000	74.2	87.2	88.5	89.5	90.1	90.3	90.5	90.7	90.8	90.8	90.8	90.8	90.9	90.9	90.9	90.9
≥ 8000	75.8	89.1	90.5	91.5	92.2	92.4	92.7	92.8	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 7000	76.5	90.0	91.4	92.4	93.1	93.3	93.6	93.8	93.8	93.9	93.9	93.9	93.9	94.0	94.0	94.0
≥ 6000	76.9	90.6	92.0	93.0	93.7	94.0	94.3	94.4	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 5000	77.2	91.0	92.4	93.4	94.1	94.3	94.6	94.8	94.8	94.9	94.9	94.9	95.0	95.0	95.0	95.0
≥ 4500	77.2	91.1	92.5	93.5	94.2	94.4	94.7	94.9	94.9	95.0	95.0	95.0	95.0	95.1	95.1	95.1
≥ 4000	77.5	91.6	93.1	94.1	94.8	95.0	95.4	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 3500	77.8	92.0	93.6	94.7	95.5	95.7	96.1	96.2	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 3000	78.4	92.9	94.4	95.6	96.4	96.7	97.0	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2500	78.7	93.4	95.1	96.2	97.1	97.3	97.7	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 2000	79.0	93.9	95.5	96.7	97.8	98.0	98.4	98.5	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1800	79.1	93.9	95.6	96.8	97.8	98.1	98.5	98.6	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9
≥ 1500	79.2	94.2	95.9	97.2	98.2	98.4	98.8	99.0	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3
≥ 1200	79.3	94.3	96.1	97.3	98.4	98.6	99.1	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1000	79.4	94.4	96.2	97.5	98.5	98.8	99.2	99.4	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 900	79.4	94.5	96.3	97.5	98.6	98.8	99.3	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	79.4	94.5	96.3	97.6	98.6	98.9	99.3	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8
≥ 700	79.4	94.5	96.3	97.6	98.6	98.9	99.3	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8
≥ 600	79.4	94.5	96.3	97.6	98.6	98.9	99.3	99.5	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8
≥ 500	79.4	94.5	96.3	97.6	98.6	98.9	99.3	99.5	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 400	79.4	94.5	96.3	97.6	98.7	98.9	99.4	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	79.4	94.5	96.3	97.6	98.7	98.9	99.4	99.6	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 200	79.4	94.5	96.3	97.6	98.7	98.9	99.4	99.6	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100	79.4	94.5	96.3	97.6	98.7	98.9	99.4	99.6	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0	79.4	94.5	96.3	97.6	98.7	98.9	99.4	99.6	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7432

USAF ETAC FORM 0-14-5 (OL A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69,72-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	¾
NO CEILING	69.3	78.0	79.8	81.3	82.6	82.8	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 20000	73.6	83.6	85.5	87.4	88.7	88.9	89.0	89.3	89.3	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 18000	73.7	83.7	85.6	87.5	88.8	89.0	89.1	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 16000	73.7	83.7	85.6	87.5	88.8	89.0	89.1	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 14000	74.2	84.2	86.0	87.9	89.2	89.5	89.6	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 12000	76.2	86.2	88.1	90.0	91.3	91.5	91.6	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 10000	78.9	89.0	90.9	92.8	94.2	94.4	94.5	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 9000	78.9	89.0	90.9	92.8	94.2	94.4	94.5	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 8000	80.0	90.4	92.2	94.2	95.6	95.8	95.9	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 7000	80.1	90.5	92.4	94.3	95.7	95.9	96.0	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 6000	80.1	90.5	92.4	94.3	95.7	95.9	96.0	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 5000	80.4	91.0	92.8	94.7	96.1	96.3	96.4	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 4500	80.5	91.1	92.9	94.8	96.2	96.4	96.6	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 4000	80.6	91.2	93.0	94.9	96.3	96.6	96.7	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 3500	80.6	91.5	93.3	95.4	96.8	97.0	97.1	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 3000	80.8	91.7	93.5	95.6	97.0	97.2	97.3	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 2500	81.5	92.4	94.2	96.2	97.7	98.0	98.1	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 2000	82.2	93.1	94.9	97.0	98.5	98.7	98.8	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1800	82.2	93.1	94.9	97.0	98.5	98.7	98.8	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1500	82.3	93.3	95.2	97.2	98.7	98.9	99.0	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1200	82.5	93.4	95.3	97.3	98.8	99.0	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000	82.6	93.6	95.5	97.5	99.0	99.2	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	82.6	93.6	95.5	97.5	99.0	99.2	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	82.6	93.6	95.6	97.6	99.1	99.4	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	82.6	93.6	95.6	97.6	99.1	99.4	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	82.6	93.6	95.6	97.7	99.2	99.5	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	82.6	93.6	95.6	97.7	99.2	99.5	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	82.6	93.6	95.6	97.7	99.2	99.5	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	82.6	93.6	95.6	97.7	99.2	99.5	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	82.6	93.6	95.6	97.7	99.2	99.5	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	82.6	93.6	95.6	97.7	99.2	99.5	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	82.6	93.6	95.6	97.7	99.2	99.5	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

929

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12-06

ELLINGTON AFB TX

69,72-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	59.6	71.1	72.8	75.2	77.4	78.1	78.2	78.4	78.4	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 20000	62.2	74.9	76.9	79.5	82.2	82.9	83.0	83.5	83.5	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 18000	62.4	75.2	77.1	79.7	82.4	83.1	83.2	83.8	83.8	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 16000	62.4	75.2	77.1	79.7	82.4	83.1	83.2	83.8	83.8	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 14000	62.6	75.7	77.6	80.2	82.9	83.7	83.8	84.3	84.3	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 12000	64.7	78.1	80.7	82.9	85.6	86.3	86.5	87.0	87.0	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 10000	68.9	82.8	84.7	87.6	90.5	91.3	91.5	92.2	92.2	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 9000	69.2	83.2	85.2	88.1	91.0	91.7	91.9	92.6	92.6	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 8000	70.6	84.8	86.9	89.9	92.8	93.7	93.9	94.5	94.5	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 7000	71.0	85.2	87.2	90.2	93.1	94.0	94.2	94.8	94.8	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 6000	71.0	85.4	87.4	90.4	93.3	94.2	94.4	95.1	95.1	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 5000	71.8	86.5	88.6	91.8	94.7	95.6	95.8	96.5	96.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 4500	72.2	86.9	89.0	92.3	95.2	96.0	96.2	96.9	96.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 4000	72.5	87.2	89.4	92.6	95.5	96.3	96.6	97.2	97.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 3500	72.5	87.2	89.4	92.6	95.5	96.3	96.6	97.2	97.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 3000	72.5	87.2	89.4	92.6	95.5	96.3	96.6	97.2	97.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 2500	73.2	88.0	90.1	93.3	96.2	97.2	97.4	98.1	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 2000	73.8	88.5	90.6	93.9	96.8	97.7	98.0	98.6	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1800	73.8	88.5	90.6	93.9	96.8	97.7	98.0	98.6	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1500	73.8	88.5	90.6	93.9	96.8	97.7	98.0	98.6	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1200	73.8	88.5	90.6	93.9	96.8	97.7	98.1	98.7	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000	73.9	88.6	90.8	94.0	96.9	98.0	98.2	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	73.9	88.6	90.8	94.0	96.9	98.0	98.2	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	73.9	88.9	91.1	94.3	97.2	98.3	98.5	99.1	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	73.9	88.9	91.1	94.3	97.2	98.3	98.5	99.1	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	73.9	88.9	91.1	94.3	97.2	98.3	98.5	99.1	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	73.9	88.9	91.1	94.3	97.2	98.3	98.5	99.1	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	73.9	88.9	91.1	94.4	97.3	98.4	98.6	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	73.9	88.9	91.1	94.4	97.3	98.4	98.6	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	73.9	88.9	91.1	94.4	97.3	98.4	98.6	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	73.9	88.9	91.1	94.4	97.3	98.4	98.6	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	73.9	88.9	91.1	94.4	97.3	98.4	98.6	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC

FORM
JUL 64

0-14-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69,72-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	32.8	50.9	54.9	59.6	64.0	65.3	67.8	70.1	70.5	71.9	72.3	72.4	72.5	72.5	72.5	72.6
≥ 20000	36.7	57.0	61.3	66.0	71.7	73.0	76.0	78.5	78.9	80.5	80.9	81.0	81.1	81.1	81.1	81.2
≥ 18000	36.8	57.3	61.7	66.5	72.2	73.4	76.5	78.9	79.4	81.0	81.3	81.4	81.5	81.5	81.5	81.6
≥ 16000	36.9	57.4	61.8	66.6	72.3	73.5	76.6	79.0	79.5	81.1	81.4	81.5	81.6	81.6	81.6	81.7
≥ 14000	37.5	58.3	62.7	67.4	73.1	74.4	77.4	79.9	80.3	81.9	82.3	82.4	82.5	82.5	82.5	82.6
≥ 12000	39.2	60.5	64.9	70.0	75.7	77.2	80.5	83.1	83.5	85.2	85.5	85.6	85.7	85.7	85.7	85.8
≥ 10000	41.9	64.4	68.9	74.1	80.0	81.6	85.2	88.0	88.4	90.0	90.3	90.4	90.5	90.5	90.5	90.6
≥ 9000	42.3	64.8	69.4	74.5	80.4	82.0	85.6	88.4	88.8	90.4	90.8	90.9	91.0	91.0	91.0	91.1
≥ 8000	43.1	66.7	71.3	76.7	82.7	84.3	88.1	90.9	91.3	92.9	93.2	93.3	93.4	93.4	93.4	93.5
≥ 7000	43.9	67.5	72.2	77.6	83.7	85.3	89.0	91.8	92.3	93.9	94.2	94.3	94.4	94.4	94.4	94.5
≥ 6000	44.4	68.2	72.8	78.3	84.5	86.1	89.9	92.7	93.1	94.7	95.1	95.2	95.3	95.3	95.3	95.4
≥ 5000	44.6	68.6	73.2	78.7	84.9	86.7	90.4	93.2	93.7	95.3	95.6	95.7	95.8	95.8	95.8	95.9
≥ 4500	44.8	68.8	73.4	78.9	85.1	86.9	90.6	93.4	93.9	95.5	95.8	95.9	96.0	96.0	96.0	96.1
≥ 4000	44.9	69.2	73.9	79.5	85.7	87.4	91.2	94.0	94.4	96.0	96.3	96.5	96.6	96.6	96.6	96.7
≥ 3500	45.1	69.4	74.1	79.7	85.9	87.6	91.4	94.2	94.6	96.2	96.6	96.7	96.8	96.8	96.8	96.9
≥ 3000	45.1	69.4	74.2	79.9	86.1	87.8	91.6	94.4	94.8	96.5	96.8	96.9	97.0	97.0	97.0	97.1
≥ 2500	45.1	69.5	74.3	80.1	86.6	88.3	92.2	94.9	95.4	97.1	97.4	97.5	97.6	97.6	97.6	97.7
≥ 2000	45.2	69.8	74.7	80.5	87.1	88.8	92.8	95.6	96.0	97.7	98.1	98.2	98.3	98.3	98.3	98.4
≥ 1800	45.2	69.8	74.7	80.5	87.1	88.8	92.8	95.6	96.0	97.7	98.1	98.2	98.3	98.3	98.3	98.4
≥ 1500	45.2	69.8	74.7	80.5	87.2	89.0	93.0	95.8	96.2	98.0	98.3	98.4	98.5	98.5	98.5	98.6
≥ 1200	45.2	69.8	74.7	80.5	87.3	89.1	93.1	95.9	96.3	98.1	98.4	98.5	98.6	98.6	98.6	98.7
≥ 1000	45.2	69.9	74.8	80.6	87.4	89.2	93.2	96.0	96.5	98.2	98.5	98.6	98.7	98.7	98.7	98.8
≥ 900	45.2	70.0	75.1	80.9	87.6	89.5	93.4	96.2	96.7	98.4	98.7	98.8	98.9	98.9	98.9	99.0
≥ 800	45.2	70.1	75.3	81.1	87.8	89.7	93.7	96.5	96.9	98.6	98.9	99.0	99.1	99.1	99.1	99.2
≥ 700	45.2	70.1	75.4	81.2	88.0	89.8	93.9	96.7	97.1	98.8	99.1	99.2	99.4	99.4	99.4	99.5
≥ 600	45.2	70.1	75.5	81.3	88.1	89.9	94.0	96.8	97.2	98.9	99.2	99.4	99.5	99.5	99.5	99.6
≥ 500	45.2	70.1	75.5	81.3	88.1	89.9	94.0	96.8	97.3	99.0	99.4	99.5	99.6	99.6	99.6	99.7
≥ 400	45.2	70.1	75.5	81.3	88.2	90.0	94.1	96.9	97.4	99.2	99.6	99.7	99.8	99.8	99.8	99.9
≥ 300	45.2	70.1	75.5	81.3	88.2	90.0	94.1	96.9	97.4	99.4	99.7	99.8	99.9	99.9	99.9	100.0
≥ 200	45.2	70.1	75.5	81.3	88.2	90.0	94.1	96.9	97.4	99.4	99.7	99.8	99.9	99.9	99.9	100.0
≥ 100	45.2	70.1	75.5	81.3	88.2	90.0	94.1	96.9	97.4	99.4	99.7	99.8	99.9	99.9	99.9	100.0
≥ 0	45.2	70.1	75.5	81.3	88.2	90.0	94.1	96.9	97.4	99.4	99.7	99.8	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

129.6

ELLINGTON AFB TX

69,72-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	37.7	51.3	53.9	55.4	56.6	57.1	57.2	57.4	57.4	57.5	57.5	57.6	57.6	57.6	57.6	57.6
≥ 20000	46.7	64.1	67.3	69.4	70.8	71.4	71.7	71.9	71.9	72.0	72.0	72.2	72.2	72.2	72.2	72.2
≥ 18000	47.0	64.4	67.6	69.7	71.1	71.7	72.0	72.3	72.3	72.4	72.4	72.5	72.5	72.5	72.5	72.5
≥ 16000	47.0	64.4	67.6	69.7	71.1	71.7	72.0	72.3	72.3	72.4	72.4	72.5	72.5	72.5	72.5	72.5
≥ 14000	47.7	65.3	68.5	70.5	71.9	72.6	72.9	73.1	73.1	73.2	73.2	73.3	73.3	73.3	73.3	73.3
≥ 12000	49.6	67.6	71.0	73.0	74.7	75.4	75.9	76.1	76.1	76.2	76.2	76.3	76.3	76.3	76.3	76.3
≥ 10000	54.4	73.9	77.3	79.6	81.5	82.3	82.9	83.2	83.2	83.3	83.3	83.4	83.4	83.4	83.4	83.4
≥ 9000	54.7	74.7	78.2	80.4	82.4	83.1	83.8	84.1	84.1	84.2	84.2	84.3	84.3	84.3	84.3	84.3
≥ 8000	56.9	78.0	81.5	83.9	85.9	86.8	87.4	87.7	87.7	87.8	87.8	88.0	88.0	88.0	88.0	88.0
≥ 7000	57.2	78.3	81.8	84.3	86.5	87.3	88.0	88.3	88.3	88.4	88.4	88.5	88.5	88.5	88.5	88.5
≥ 6000	57.9	78.7	82.4	84.8	87.0	87.8	88.5	88.8	88.8	88.9	88.9	89.0	89.0	89.0	89.0	89.0
≥ 5000	57.6	79.0	82.8	85.4	87.5	88.5	89.1	89.5	89.5	89.6	89.6	89.7	89.7	89.7	89.7	89.7
≥ 4500	57.8	79.4	83.1	85.7	87.8	88.8	89.5	89.8	89.8	89.9	89.9	90.0	90.0	90.0	90.0	90.0
≥ 4000	58.3	79.8	83.5	86.1	88.4	89.4	90.1	90.4	90.4	90.5	90.5	90.6	90.6	90.6	90.6	90.6
≥ 3500	58.5	80.0	83.8	86.3	88.6	89.6	90.3	90.6	90.6	90.8	90.8	90.9	90.9	90.9	90.9	90.9
≥ 3000	59.1	81.3	85.2	87.8	90.4	91.5	92.3	92.6	92.6	92.7	92.7	92.8	92.8	92.8	92.8	92.8
≥ 2500	61.0	84.2	88.1	90.8	93.3	94.4	95.2	95.5	95.5	95.7	95.7	95.8	95.8	95.8	95.8	95.8
≥ 2000	62.3	86.1	90.1	92.9	95.5	96.7	97.4	97.7	97.7	98.0	98.0	98.1	98.1	98.1	98.1	98.1
≥ 1800	62.3	86.1	90.1	92.9	95.5	96.7	97.4	97.7	97.7	98.0	98.0	98.1	98.1	98.1	98.1	98.1
≥ 1500	62.3	86.2	90.2	93.0	95.6	96.8	97.5	97.8	97.8	98.1	98.1	98.2	98.2	98.2	98.2	98.2
≥ 1200	62.5	86.6	90.5	93.4	96.0	97.2	98.0	98.3	98.3	98.5	98.5	98.6	98.6	98.6	98.6	98.6
≥ 1000	62.5	86.9	90.9	93.8	96.3	97.5	98.4	98.8	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1
≥ 900	62.5	87.1	91.1	94.0	96.6	97.7	98.6	99.1	99.1	99.4	99.4	99.5	99.5	99.5	99.5	99.5
≥ 800	62.5	87.2	91.2	94.1	96.7	98.0	98.8	99.4	99.4	99.6	99.6	99.7	99.8	99.8	99.8	99.8
≥ 700	62.5	87.2	91.2	94.1	96.7	98.0	98.8	99.4	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9
≥ 600	62.5	87.3	91.3	94.2	96.8	98.1	98.9	99.5	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0
≥ 500	62.5	87.3	91.3	94.2	96.8	98.1	98.9	99.5	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0
≥ 400	62.5	87.3	91.3	94.2	96.8	98.1	98.9	99.5	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0
≥ 300	62.5	87.3	91.3	94.2	96.8	98.1	98.9	99.5	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0
≥ 200	62.5	87.3	91.3	94.2	96.8	98.1	98.9	99.5	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0
≥ 100	62.5	87.3	91.3	94.2	96.8	98.1	98.9	99.5	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0
≥ 0	62.5	87.3	91.3	94.2	96.8	98.1	98.9	99.5	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12986

ELLINGTON AFB TX

69,72-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	33.2	44.6	45.8	46.7	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 20000	50.1	65.7	67.2	68.1	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 18000	50.4	66.0	67.5	68.4	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 16000	50.4	66.0	67.5	68.4	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 14000	51.7	67.4	68.9	69.8	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 12000	53.7	70.2	71.8	72.9	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 10000	59.5	78.9	80.9	82.0	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 9000	60.0	79.9	81.9	83.1	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 8000	61.7	82.6	84.7	85.9	86.2	86.2	86.3	86.3	86.3	86.3	86.5	86.5	86.5	86.5	86.5	86.5
IV 7000	62.0	83.0	85.2	86.3	86.7	86.7	86.8	86.8	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9
IV 6000	62.3	83.8	85.9	87.1	87.4	87.4	87.6	87.6	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7
IV 5000	62.9	84.4	86.7	88.0	88.3	88.3	88.5	88.5	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6
IV 4500	63.0	84.8	87.1	88.4	88.7	88.7	88.9	88.9	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0
IV 4000	63.8	85.7	88.1	89.2	89.6	89.6	89.8	89.8	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9
IV 3500	64.0	86.3	88.6	90.0	90.5	90.5	90.8	90.8	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9
IV 3000	66.1	89.5	91.8	93.3	94.2	94.3	94.5	94.5	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6
IV 2500	67.6	91.8	94.5	96.0	97.0	97.1	97.4	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5
IV 2000	68.1	92.7	95.7	97.2	98.3	98.4	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0
IV 1800	68.1	92.7	95.7	97.2	98.4	98.5	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1
IV 1500	68.1	92.8	95.8	97.3	98.5	98.6	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.4	99.4
IV 1200	68.2	92.9	95.9	97.4	98.6	98.7	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.5
IV 1000	68.2	93.0	96.0	97.5	98.8	98.9	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7
IV 900	68.4	93.3	96.3	97.8	99.1	99.2	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0
IV 800	68.4	93.3	96.3	97.8	99.1	99.2	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0
IV 700	68.4	93.3	96.3	97.8	99.1	99.2	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0
IV 600	68.4	93.3	96.3	97.8	99.1	99.2	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0
IV 500	68.4	93.3	96.3	97.8	99.1	99.2	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0
IV 400	68.4	93.3	96.3	97.8	99.1	99.2	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0
IV 300	68.4	93.3	96.3	97.8	99.1	99.2	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0
IV 200	68.4	93.3	96.3	97.8	99.1	99.2	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0
IV 100	68.4	93.3	96.3	97.8	99.1	99.2	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0
IV 0	68.4	93.3	96.3	97.8	99.1	99.2	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69,72-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	37.8	47.5	47.8	47.8	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 20000	61.2	75.9	76.6	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 18000	61.7	76.5	77.1	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 16000	61.7	76.5	77.1	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 14000	63.7	78.6	79.2	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 12000	66.5	82.4	83.0	83.3	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 10000	71.0	88.5	89.4	89.8	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 9000	71.1	88.6	89.5	89.9	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 8000	73.2	91.4	92.3	92.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 7000	73.9	92.0	92.9	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 6000	74.0	92.4	93.2	93.8	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 5000	74.9	93.2	94.1	94.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 4500	74.7	93.4	94.3	94.8	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 4000	74.8	94.0	94.8	95.5	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 3500	75.2	94.3	95.2	95.8	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 3000	76.0	95.4	96.2	96.9	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 2500	76.3	95.9	96.8	97.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 2000	76.3	96.0	97.0	98.1	99.1	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4
IV 1800	76.3	96.0	97.0	98.1	99.1	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4
IV 1500	76.3	96.1	97.1	98.2	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
IV 1200	76.3	96.1	97.1	98.2	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
IV 1000	76.3	96.2	97.2	98.3	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	76.3	96.3	97.3	98.4	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	76.3	96.5	97.4	98.5	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	76.3	96.5	97.4	98.5	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	76.3	96.5	97.4	98.5	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	76.3	96.5	97.4	98.5	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	76.3	96.5	97.4	98.5	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	76.3	96.5	97.4	98.5	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	76.3	96.5	97.4	98.5	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	76.3	96.5	97.4	98.5	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	76.3	96.5	97.4	98.5	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69,72-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	50.8	58.7	59.4	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 20000	68.3	81.3	82.3	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 18000	68.4	81.4	82.4	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 16000	68.4	81.4	82.4	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 14000	69.1	82.2	83.1	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 12000	70.8	84.3	85.3	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 10000	75.1	89.8	90.9	92.3	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 9000	75.4	90.2	91.3	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 8000	77.6	92.7	93.8	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 7000	78.1	93.1	94.3	96.0	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 6000	78.1	93.3	94.5	96.3	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 5000	78.1	93.5	94.7	96.6	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 4500	78.2	94.1	95.3	97.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 4000	78.2	94.2	95.4	97.2	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 3500	78.3	94.3	95.5	97.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 3000	78.6	94.7	96.1	98.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 2500	78.6	94.7	96.1	98.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 2000	78.7	94.9	96.3	98.2	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1800	78.7	94.9	96.3	98.2	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1500	79.0	95.3	96.7	98.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	79.0	95.3	96.7	98.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	79.0	95.4	96.8	98.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	79.0	95.4	96.8	98.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	79.0	95.5	96.9	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	79.0	95.5	96.9	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	79.0	95.5	96.9	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	79.0	95.5	96.9	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	79.0	95.5	96.9	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	79.0	95.5	96.9	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	79.0	95.5	96.9	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	79.0	95.5	96.9	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	79.0	95.5	96.9	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69,72-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	71.4	78.5	79.1	80.0	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 20000	78.7	87.2	88.0	88.8	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV ≥ 18000	78.7	87.2	88.0	88.8	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV ≥ 16000	78.7	87.2	88.0	88.8	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV ≥ 14000	79.1	87.6	88.4	89.2	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV ≥ 12000	80.5	89.4	90.1	91.0	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV ≥ 10000	83.2	92.3	93.0	94.0	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV ≥ 9000	83.2	92.3	93.0	94.0	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV ≥ 8000	85.5	94.8	95.6	96.6	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV ≥ 7000	85.6	95.1	95.8	96.8	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV ≥ 6000	85.7	95.4	96.1	97.1	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV ≥ 5000	85.8	95.6	96.3	97.3	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV ≥ 4500	85.9	95.6	96.3	97.3	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV ≥ 4000	86.0	95.8	96.6	97.5	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV ≥ 3500	86.1	96.0	96.8	97.7	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV ≥ 3000	86.5	96.7	97.5	98.5	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV ≥ 2500	86.7	96.9	97.7	98.7	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV ≥ 2000	86.8	97.0	97.8	98.8	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV ≥ 1800	86.8	97.0	97.8	98.8	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV ≥ 1500	86.9	97.1	98.0	98.9	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV ≥ 1200	86.9	97.1	98.0	98.9	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV ≥ 1000	86.9	97.4	98.3	99.2	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV ≥ 900	86.9	97.4	98.3	99.2	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV ≥ 800	86.9	97.6	98.5	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 700	86.9	97.6	98.5	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 600	86.9	97.6	98.5	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 500	86.9	97.6	98.5	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 400	86.9	97.6	98.5	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 300	86.9	97.6	98.5	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 200	86.9	97.6	98.5	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 100	86.9	97.6	98.5	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 0	86.9	97.6	98.5	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69,72-80

AUG

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STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURLS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	≥¼	≥0
NO CEILING	49.1	60.1	61.7	63.2	64.5	64.8	65.2	65.5	65.6	65.8	65.9	65.9	65.9	65.9	65.9	65.9
≥ 20000	59.7	73.7	75.6	77.4	78.9	79.2	79.7	80.1	80.2	80.5	80.5	80.6	80.6	80.6	80.6	80.6
≥ 18000	59.9	74.0	75.9	77.7	79.1	79.5	80.0	80.4	80.5	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 16000	59.9	74.0	75.9	77.7	79.1	79.5	80.0	80.4	80.5	80.8	80.8	80.8	80.8	80.8	80.8	80.9
≥ 14000	60.7	74.9	76.8	78.6	80.1	80.4	80.9	81.4	81.4	81.7	81.7	81.8	81.8	81.8	81.8	81.8
≥ 12000	62.6	77.3	79.3	81.2	82.8	83.1	83.7	84.1	84.2	84.5	84.5	84.6	84.6	84.6	84.6	84.6
≥ 10000	66.6	82.4	84.5	86.5	88.3	88.7	89.3	89.8	89.9	90.1	90.2	90.2	90.2	90.2	90.2	90.2
≥ 9000	66.9	82.8	84.9	86.9	88.7	89.1	89.7	90.2	90.3	90.6	90.6	90.6	90.7	90.7	90.7	90.7
≥ 8000	68.6	85.2	87.3	89.4	91.2	91.7	92.3	92.8	92.8	93.1	93.2	93.2	93.2	93.2	93.2	93.2
≥ 7000	69.0	85.6	87.7	89.9	91.7	92.1	92.8	93.3	93.3	93.6	93.7	93.7	93.7	93.7	93.7	93.7
≥ 6000	69.1	86.0	88.1	90.3	92.1	92.6	93.2	93.7	93.8	94.1	94.1	94.2	94.2	94.2	94.2	94.2
≥ 5000	69.5	86.5	88.7	90.9	92.8	93.2	93.9	94.4	94.4	94.7	94.8	94.8	94.8	94.8	94.8	94.8
≥ 4500	69.6	86.8	88.9	91.2	93.0	93.5	94.1	94.6	94.7	95.0	95.1	95.1	95.1	95.1	95.1	95.1
≥ 4000	69.9	87.1	89.3	91.6	93.5	93.9	94.6	95.1	95.1	95.4	95.5	95.5	95.5	95.5	95.5	95.5
≥ 3500	70.0	87.4	89.6	91.9	93.8	94.2	94.9	95.4	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.9
≥ 3000	70.6	88.2	90.5	92.8	94.9	95.4	96.0	96.5	96.6	96.9	96.9	96.9	97.0	97.0	97.0	97.0
≥ 2500	71.2	89.2	91.5	93.9	96.0	96.5	97.2	97.7	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1
≥ 2000	71.7	89.8	92.2	94.6	96.7	97.2	97.9	98.5	98.5	98.8	98.9	98.9	98.9	98.9	98.9	99.0
≥ 1800	71.7	89.8	92.2	94.6	96.7	97.2	98.0	98.5	98.5	98.8	98.9	98.9	99.0	99.0	99.0	99.0
≥ 1500	71.7	89.9	92.3	94.7	96.9	97.4	98.1	98.6	98.7	99.0	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1200	71.8	90.0	92.4	94.8	96.9	97.5	98.2	98.7	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000	71.8	90.1	92.5	95.0	97.2	97.8	98.5	99.0	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900	71.8	90.2	92.6	95.1	97.3	97.9	98.6	99.1	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.7
≥ 800	71.8	90.4	92.8	95.2	97.5	98.0	98.8	99.3	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	71.8	90.4	92.8	95.2	97.5	98.1	98.8	99.3	99.4	99.7	99.8	99.8	99.8	99.9	99.9	99.9
≥ 600	71.8	90.4	92.8	95.3	97.5	98.1	98.8	99.4	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9
≥ 500	71.8	90.4	92.8	95.3	97.5	98.1	98.8	99.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	71.8	90.4	92.8	95.3	97.5	98.1	98.9	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	100.0
≥ 300	71.8	90.4	92.8	95.3	97.5	98.1	98.9	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	100.0
≥ 200	71.8	90.4	92.8	95.3	97.5	98.1	98.9	99.4	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	71.8	90.4	92.8	95.3	97.5	98.1	98.9	99.4	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0
≥ 0	71.8	90.4	92.8	95.3	97.5	98.1	98.9	99.4	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7439

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69,72-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	56.7	67.3	69.2	70.7	72.3	72.3	72.8	72.9	72.9	73.0	73.0	73.0	73.0	73.1	73.1	73.1
≥ 20000	67.4	73.4	75.6	77.1	78.9	78.9	79.3	79.4	79.4	79.6	79.6	79.6	79.6	79.7	79.7	79.7
≥ 18000	60.4	73.4	75.6	77.1	78.9	78.9	79.3	79.4	79.4	79.6	79.6	79.6	79.6	79.7	79.7	79.7
≥ 16000	60.7	73.7	75.8	77.3	79.1	79.1	79.6	79.7	79.7	79.8	79.8	79.8	79.8	79.9	79.9	79.9
≥ 14000	60.9	73.9	76.0	77.6	79.3	79.3	79.8	79.9	79.9	80.0	80.0	80.0	80.0	80.1	80.1	80.1
≥ 12000	62.2	75.2	77.6	79.2	81.0	81.0	81.4	81.6	81.6	81.7	81.7	81.7	81.7	81.8	81.8	81.8
≥ 10000	64.8	78.6	81.0	82.8	84.6	84.6	85.0	85.1	85.1	85.2	85.2	85.2	85.2	85.3	85.3	85.3
≥ 9000	65.0	78.9	81.6	83.3	85.1	85.1	85.6	85.7	85.7	85.8	85.8	85.8	85.8	85.9	85.9	85.9
≥ 8000	66.2	81.7	84.4	86.3	88.1	88.1	88.6	88.7	88.7	88.8	88.8	88.8	88.8	88.9	88.9	88.9
≥ 7000	66.4	81.9	84.7	86.6	88.3	88.3	88.8	88.9	88.9	89.0	89.0	89.0	89.0	89.1	89.1	89.1
≥ 6000	66.8	82.6	85.3	87.2	89.0	89.0	89.4	89.6	89.6	89.7	89.7	89.7	89.7	89.8	89.8	89.8
≥ 5000	67.8	84.0	86.8	88.8	90.6	90.7	91.2	91.4	91.4	91.6	91.6	91.6	91.6	91.7	91.7	91.7
≥ 4500	68.7	84.2	87.1	89.2	91.0	91.1	91.7	91.9	91.9	92.0	92.0	92.0	92.0	92.1	92.1	92.1
≥ 4000	68.2	84.8	87.8	89.9	91.7	91.8	92.3	92.6	92.6	92.7	92.7	92.7	92.7	92.8	92.8	92.8
≥ 3500	68.8	85.3	88.3	90.4	92.2	92.3	92.9	93.1	93.1	93.2	93.2	93.2	93.2	93.3	93.3	93.3
≥ 3000	69.1	86.2	89.2	91.3	93.1	93.2	93.8	94.0	94.0	94.1	94.1	94.1	94.1	94.2	94.2	94.2
≥ 2500	70.0	87.2	90.2	92.6	94.3	94.4	95.0	95.2	95.2	95.3	95.3	95.3	95.3	95.4	95.4	95.4
≥ 2000	70.2	88.1	91.1	93.4	95.2	95.3	95.9	96.1	96.1	96.2	96.2	96.2	96.2	96.3	96.3	96.3
≥ 1800	70.6	88.4	91.4	93.8	95.6	95.7	96.2	96.4	96.4	96.7	96.7	96.7	96.7	96.8	96.8	96.8
≥ 1500	70.8	88.9	91.9	94.2	96.0	96.1	96.7	96.9	96.9	97.1	97.1	97.1	97.1	97.2	97.2	97.2
≥ 1200	70.8	89.1	92.2	94.7	96.4	96.6	97.1	97.3	97.3	97.6	97.6	97.6	97.6	97.7	97.7	97.7
≥ 1000	70.9	89.6	93.0	95.6	97.3	97.4	98.0	98.2	98.2	98.4	98.4	98.4	98.4	98.6	98.6	98.6
≥ 900	71.0	89.9	93.2	95.8	97.6	97.7	98.2	98.4	98.4	98.7	98.7	98.7	98.7	98.8	98.8	98.8
≥ 800	71.2	90.2	93.7	96.2	98.0	98.1	98.7	98.9	98.9	99.1	99.1	99.1	99.1	99.2	99.2	99.2
≥ 700	71.3	90.4	93.9	96.4	98.2	98.3	98.9	99.1	99.1	99.3	99.3	99.3	99.3	99.4	99.4	99.4
≥ 600	71.3	90.4	93.9	96.4	98.2	98.4	99.0	99.2	99.2	99.4	99.4	99.4	99.4	99.6	99.6	99.6
≥ 500	71.3	90.4	93.9	96.4	98.2	98.4	99.0	99.4	99.4	99.7	99.7	99.7	99.7	99.8	99.8	99.8
≥ 400	71.3	90.4	94.0	96.6	98.3	98.6	99.1	99.6	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 300	71.3	90.4	94.0	96.6	98.3	98.6	99.1	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 200	71.3	90.4	94.0	96.6	98.3	98.6	99.1	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100	71.3	90.4	94.0	96.6	98.3	98.6	99.1	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0	71.3	90.4	94.0	96.6	98.3	98.6	99.1	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

10936

ELLINGTON AFB TX

69,72-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

3300-0500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	48.3	58.9	61.0	65.2	67.7	68.3	69.6	70.0	70.1	70.8	70.8	70.8	70.9	71.0	71.0	71.1
≥ 20000	50.7	62.3	64.8	69.3	72.0	72.8	74.0	74.4	74.6	75.2	75.2	75.2	75.4	75.6	75.7	75.8
≥ 18000	50.9	62.4	64.9	69.4	72.1	72.9	74.1	74.6	74.7	75.3	75.3	75.3	75.6	75.7	75.8	75.9
≥ 16000	50.9	62.6	65.0	69.6	72.2	73.0	74.2	74.7	74.8	75.4	75.4	75.4	75.7	75.8	75.9	76.0
≥ 14000	50.9	62.6	65.0	69.6	72.2	73.0	74.2	74.7	74.8	75.4	75.4	75.4	75.7	75.8	75.9	76.0
≥ 12000	52.1	64.1	66.9	71.4	74.1	74.9	76.1	76.6	76.7	77.3	77.3	77.3	77.6	77.7	77.8	77.9
≥ 10000	55.2	68.2	71.0	75.7	78.6	79.3	80.6	81.0	81.1	81.8	81.8	81.8	82.0	82.1	82.2	82.3
≥ 9000	55.3	68.7	71.4	76.1	79.0	79.8	81.0	81.4	81.6	82.2	82.2	82.2	82.4	82.6	82.7	82.8
≥ 8000	56.2	71.2	74.1	78.9	81.8	82.6	83.8	84.2	84.3	85.0	85.0	85.0	85.2	85.3	85.4	85.6
≥ 7000	56.2	71.3	74.2	79.0	81.9	82.7	83.9	84.3	84.4	85.1	85.1	85.1	85.3	85.4	85.6	85.7
≥ 6000	56.7	72.0	74.9	79.7	82.6	83.3	84.6	85.0	85.1	85.8	85.8	85.8	86.0	86.1	86.2	86.3
≥ 5000	57.2	73.1	76.0	80.8	83.8	84.6	85.8	86.2	86.3	87.0	87.0	87.0	87.2	87.3	87.4	87.6
≥ 4500	57.4	73.4	76.3	81.1	84.3	85.1	86.4	86.9	87.0	87.7	87.7	87.7	87.9	88.0	88.1	88.2
≥ 4000	57.9	74.3	77.2	82.0	85.2	86.0	87.3	87.8	87.9	88.6	88.6	88.6	88.8	88.9	89.0	89.1
≥ 3500	58.1	74.6	77.6	82.3	85.6	86.3	87.7	88.1	88.2	88.9	88.9	88.9	89.1	89.2	89.3	89.4
≥ 3000	58.4	75.1	78.1	82.9	86.1	86.9	88.2	88.7	88.8	89.4	89.4	89.4	89.7	89.8	89.9	90.0
≥ 2500	59.3	76.1	79.1	83.9	87.1	87.9	89.2	89.7	89.8	90.4	90.4	90.4	90.7	90.8	90.9	91.0
≥ 2000	59.4	76.4	79.4	84.4	87.7	88.4	89.8	90.2	90.3	91.0	91.0	91.0	91.2	91.3	91.4	91.6
≥ 1800	59.8	76.9	79.9	84.9	88.1	88.9	90.2	90.7	90.8	91.4	91.4	91.4	91.7	91.8	91.9	92.0
≥ 1500	60.8	78.0	81.0	86.0	89.2	90.0	91.4	92.0	92.1	92.8	92.8	92.8	93.0	93.1	93.2	93.3
≥ 1200	61.4	79.2	82.2	87.3	90.6	91.3	92.8	93.3	93.4	94.1	94.1	94.1	94.3	94.4	94.6	94.7
≥ 1000	61.6	79.9	83.1	88.2	91.4	92.2	93.7	94.2	94.3	95.0	95.0	95.0	95.2	95.3	95.4	95.6
≥ 900	61.7	80.2	83.6	88.9	92.1	92.9	94.3	94.9	95.0	95.7	95.7	95.7	95.9	96.0	96.1	96.2
≥ 800	62.1	80.8	84.2	89.7	93.1	93.9	95.4	96.0	96.1	96.8	96.8	96.8	97.0	97.1	97.2	97.3
≥ 700	62.2	81.1	84.6	90.0	93.4	94.2	95.8	96.3	96.4	97.1	97.1	97.1	97.3	97.4	97.6	97.7
≥ 600	62.2	81.1	84.6	90.1	93.6	94.3	95.9	96.4	96.6	97.2	97.2	97.2	97.4	97.6	97.7	97.8
≥ 500	62.2	81.4	85.1	91.0	94.6	95.4	97.0	97.6	97.7	98.3	98.3	98.3	98.6	98.7	98.8	98.9
≥ 400	62.2	81.6	85.3	91.4	95.1	96.0	97.6	98.2	98.3	99.0	99.0	99.0	99.2	99.3	99.4	99.6
≥ 300	62.2	81.6	85.3	91.4	95.1	96.0	97.6	98.3	98.4	99.1	99.1	99.1	99.3	99.4	99.6	99.7
≥ 200	62.2	81.6	85.3	91.4	95.1	96.0	97.6	98.3	98.4	99.1	99.1	99.1	99.3	99.4	99.6	99.8
≥ 100	62.2	81.6	85.3	91.4	95.1	96.0	97.6	98.3	98.4	99.1	99.1	99.1	99.3	99.4	99.6	100.0
0	62.2	81.6	85.3	91.4	95.1	96.0	97.6	98.3	98.4	99.1	99.1	99.1	99.3	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

10906

ELLINGTON AFB TX

69,72-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	20.4	34.1	40.3	45.3	52.9	54.8	58.6	60.6	61.0	62.2	62.9	63.3	63.4	63.7	63.7	63.7
≥ 20000	22.9	38.6	45.1	50.7	59.3	61.4	65.8	68.0	68.6	69.8	70.7	71.1	71.3	71.6	71.7	71.7
≥ 18000	22.9	38.7	45.3	50.9	59.4	61.7	66.0	68.2	68.8	70.0	70.9	71.3	71.6	71.8	71.9	71.9
≥ 16000	22.9	38.7	45.3	50.9	59.4	61.7	66.0	68.2	68.8	70.0	70.9	71.3	71.6	71.8	71.9	71.9
≥ 14000	23.1	38.9	45.6	51.1	59.9	62.1	66.4	68.7	69.2	70.4	71.3	71.8	72.0	72.2	72.3	72.3
≥ 12000	23.7	40.0	46.8	52.3	61.2	63.9	68.2	70.4	71.0	72.2	73.1	73.6	73.8	74.0	74.1	74.1
≥ 10000	24.7	42.3	49.3	55.3	64.8	67.6	72.0	74.3	75.0	76.3	77.2	77.7	77.9	78.1	78.2	78.2
≥ 9000	24.8	42.7	49.7	55.9	65.3	68.1	72.6	74.9	75.6	76.9	77.8	78.2	78.4	78.7	78.8	78.8
≥ 8000	25.8	45.1	52.6	59.0	68.8	71.9	76.3	78.7	79.3	80.7	81.6	82.0	82.2	82.4	82.6	82.6
≥ 7000	26.0	45.6	53.0	59.4	69.2	72.3	76.8	79.1	79.8	81.1	82.0	82.4	82.7	82.9	83.0	83.0
≥ 6000	26.4	46.2	53.7	60.1	70.1	73.2	77.7	80.0	80.7	82.0	82.9	83.3	83.6	83.8	83.9	83.9
≥ 5000	26.7	46.6	54.0	60.4	70.4	73.6	78.0	80.3	81.0	82.3	83.2	83.7	83.9	84.1	84.2	84.2
≥ 4500	27.2	47.3	54.9	61.4	71.4	74.6	79.0	81.3	82.0	83.3	84.2	84.7	84.9	85.1	85.2	85.2
≥ 4000	27.4	48.0	55.7	62.2	72.2	75.3	79.8	82.1	82.8	84.1	85.0	85.4	85.7	85.9	86.0	86.0
≥ 3500	27.7	48.7	56.3	63.1	73.1	76.2	80.7	83.0	83.7	85.0	86.0	86.4	86.7	86.9	87.0	87.0
≥ 3000	27.9	48.9	56.8	63.7	73.7	76.8	81.2	83.6	84.2	85.7	86.7	87.1	87.3	87.6	87.7	87.7
≥ 2500	27.9	49.0	57.3	64.6	74.6	77.7	82.2	84.6	85.2	86.7	87.7	88.1	88.3	88.6	88.7	88.7
≥ 2000	28.2	50.4	58.9	66.3	76.3	79.4	84.0	86.4	87.1	88.6	89.6	90.0	90.2	90.4	90.6	90.6
≥ 1800	28.6	50.8	59.2	66.7	76.7	79.8	84.3	86.8	87.4	88.9	89.9	90.3	90.6	90.8	90.9	90.9
≥ 1500	28.9	51.9	60.4	68.1	78.2	81.3	85.9	88.4	89.1	90.6	91.6	92.0	92.2	92.4	92.6	92.6
≥ 1200	29.3	52.8	61.4	69.4	79.6	82.7	87.3	89.9	90.7	92.1	93.1	93.6	93.8	94.0	94.1	94.1
≥ 1000	29.4	53.3	62.1	70.1	80.4	83.6	88.2	90.8	91.6	93.0	94.0	94.4	94.7	94.9	95.0	95.0
≥ 900	29.4	53.3	62.1	70.2	80.6	83.8	88.4	91.0	91.8	93.2	94.2	94.7	94.9	95.1	95.2	95.2
≥ 800	29.6	53.4	62.2	70.4	81.0	84.3	89.0	91.6	92.3	93.9	94.9	95.3	95.6	95.8	95.9	95.9
≥ 700	29.6	53.6	62.4	70.7	81.3	84.8	89.4	92.0	92.8	94.3	95.3	95.8	96.0	96.2	96.3	96.3
≥ 600	29.7	54.0	62.9	71.4	82.1	85.6	90.4	93.0	93.8	95.6	96.6	97.0	97.2	97.4	97.6	97.6
≥ 500	29.7	54.0	63.0	71.8	82.7	86.6	91.4	94.1	94.9	96.7	97.8	98.2	98.4	98.7	98.8	98.8
≥ 400	29.7	54.1	63.1	71.9	82.8	86.8	91.8	94.6	95.3	97.2	98.4	98.9	99.1	99.3	99.4	99.4
≥ 300	29.7	54.2	63.2	72.0	82.9	86.9	91.9	94.8	95.6	97.4	98.7	99.1	99.3	99.6	99.7	99.7
≥ 200	29.7	54.2	63.3	72.1	83.0	87.0	92.0	94.9	95.7	97.6	98.8	99.2	99.4	99.8	99.9	99.9
≥ 100	29.7	54.2	63.3	72.1	83.0	87.0	92.0	94.9	95.7	97.6	98.8	99.2	99.4	99.8	99.9	100.0
≥ 0	29.7	54.2	63.3	72.1	83.0	87.0	92.0	94.9	95.7	97.6	98.8	99.2	99.4	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

10976

ELLINGTON AFB TX

69,72-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-1100

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	32.2	51.8	54.8	57.3	59.3	59.7	60.1	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 20000	37.7	60.4	64.3	67.6	69.7	70.1	70.6	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 18000	37.7	60.7	64.6	67.8	69.9	70.3	70.8	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 16000	37.7	60.7	64.6	67.9	70.0	70.4	70.9	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 14000	38.1	61.1	65.1	68.4	70.6	71.0	71.4	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 12000	39.1	63.2	67.3	70.8	73.0	73.4	73.9	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 10000	41.3	66.9	71.2	74.7	77.4	78.0	78.4	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 9000	41.6	67.3	72.1	75.7	78.7	79.2	79.7	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 8000	43.0	69.7	74.8	78.3	81.4	82.0	82.4	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 7000	43.3	70.1	75.2	78.8	81.9	82.4	82.9	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 6000	43.3	70.3	75.4	79.0	82.1	82.7	83.1	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 5000	43.8	70.9	76.1	79.9	83.0	83.6	84.0	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 4500	43.9	71.0	76.2	80.0	83.2	83.8	84.2	84.4	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 4000	44.1	71.9	77.1	81.2	84.4	85.0	85.4	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 3500	44.1	72.3	77.6	81.7	84.9	85.4	85.9	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 3000	45.0	73.9	79.2	83.4	86.7	87.2	87.7	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 2500	45.3	75.1	80.4	84.8	88.1	88.7	89.1	89.4	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 2000	45.7	76.4	82.0	86.7	90.0	90.6	91.0	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 1800	45.8	76.7	82.2	86.9	90.2	90.8	91.2	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1500	46.7	78.0	84.0	88.7	92.0	92.6	93.0	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 1200	46.8	79.0	85.0	89.8	93.2	93.8	94.4	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 1000	46.8	79.7	85.7	90.6	94.1	94.7	95.4	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 900	46.8	80.1	86.1	91.0	94.8	95.3	96.1	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 800	46.9	80.3	86.3	91.4	95.2	95.8	96.6	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 700	46.9	80.4	86.6	92.0	96.1	96.7	97.7	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 600	46.9	80.4	86.7	92.4	96.7	97.6	98.6	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 500	46.9	80.4	86.7	92.6	97.0	97.9	99.0	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	46.9	80.4	86.7	92.6	97.0	97.9	99.2	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	46.9	80.4	86.7	92.6	97.0	97.9	99.2	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 200	46.9	80.4	86.7	92.6	97.0	97.9	99.2	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 100	46.9	80.4	86.7	92.6	97.0	97.9	99.2	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 0	46.9	80.4	86.7	92.6	97.0	97.9	99.2	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12406

ELLINGTON AFB TX

69,72-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	37.8	52.0	53.3	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 20000	47.1	65.4	67.4	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 18000	47.2	65.8	67.8	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 16000	47.4	66.1	68.0	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 14000	48.3	67.4	69.6	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 12000	49.7	69.6	71.7	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 10000	53.3	75.1	77.2	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 9000	53.4	75.9	78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 8000	55.2	78.2	80.4	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 7000	55.9	79.4	81.7	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 6000	56.2	79.8	82.1	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 5000	56.4	80.1	82.3	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 4500	56.4	80.3	82.6	84.2	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 4000	56.9	81.3	83.7	85.6	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 3500	57.4	82.4	84.9	86.8	87.4	87.4	87.6	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 3000	59.1	85.0	87.8	89.9	90.6	90.6	90.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 2500	59.6	86.2	89.2	91.3	92.1	92.1	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2000	60.2	87.6	90.7	92.9	93.7	93.7	93.8	93.8	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1800	60.2	87.9	91.0	93.2	94.0	94.0	94.1	94.1	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1500	60.6	88.8	92.0	94.4	95.3	95.4	95.8	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1200	60.6	89.9	93.4	95.9	96.9	97.2	97.6	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1000	60.6	90.3	94.7	96.7	97.9	98.2	98.6	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 900	60.7	90.4	94.2	97.0	98.3	98.7	99.0	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.4	99.4
≥ 800	60.7	90.4	94.2	97.0	98.3	98.7	99.0	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.4	99.4
≥ 700	60.7	90.4	94.2	97.0	98.3	98.7	99.0	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.4	99.4
≥ 600	60.7	90.6	94.7	97.4	98.8	99.1	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 500	60.7	90.6	94.7	97.4	98.8	99.1	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 400	60.7	90.6	94.7	97.4	98.8	99.1	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 300	60.7	90.6	94.7	97.4	98.8	99.1	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 200	60.7	90.6	94.7	97.4	98.8	99.1	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 100	60.7	90.6	94.7	97.4	98.8	99.1	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 0	60.7	90.6	94.7	97.4	98.8	99.1	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

10906

ELLINGTON AFB TX

69,72-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	44.3	55.2	56.0	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 20000	57.6	70.7	72.4	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 18000	57.9	71.0	72.8	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 16000	58.6	71.7	73.4	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 14000	59.4	73.0	74.9	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 12000	61.9	75.8	77.7	78.8	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 10000	64.9	81.0	83.1	84.4	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 9000	65.6	81.9	84.0	85.6	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 8000	67.1	84.3	86.4	88.2	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 7000	67.4	85.0	87.1	89.0	89.7	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 6000	67.7	85.2	87.6	89.4	90.1	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 5000	67.9	85.8	88.1	90.1	90.8	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 4500	68.3	86.3	88.7	90.7	91.3	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 4000	68.4	86.6	88.9	90.9	91.6	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 3500	68.7	87.4	89.8	91.8	92.4	92.6	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 3000	69.6	88.8	91.1	93.1	93.8	93.9	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 2500	69.9	89.9	92.2	94.3	95.0	95.1	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 2000	70.2	90.8	93.3	95.4	96.1	96.2	96.6	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1800	70.4	91.0	93.6	95.7	96.3	96.4	96.8	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1500	70.4	91.6	94.1	96.3	97.1	97.2	97.6	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1200	70.4	91.8	94.4	96.8	97.7	97.8	98.2	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	70.6	92.0	94.8	97.1	98.0	98.2	98.7	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2
≥ 900	70.6	92.0	94.8	97.1	98.0	98.2	98.7	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2
≥ 800	70.6	92.1	94.9	97.2	98.1	98.3	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.3	99.4	99.4
≥ 700	70.6	92.1	94.9	97.2	98.1	98.4	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.4	99.6	99.6
≥ 600	70.6	92.1	95.0	97.3	98.2	98.6	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.6	99.7	99.7
≥ 500	70.6	92.1	95.0	97.3	98.3	98.7	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.9	100.0	100.0
≥ 400	70.6	92.1	95.0	97.3	98.3	98.7	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.9	100.0	100.0
≥ 300	70.6	92.1	95.0	97.3	98.3	98.7	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.9	100.0	100.0
≥ 200	70.6	92.1	95.0	97.3	98.3	98.7	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.9	100.0	100.0
≥ 100	70.6	92.1	95.0	97.3	98.3	98.7	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.9	100.0	100.0
≥ 0	70.6	92.1	95.0	97.3	98.3	98.7	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69,72-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	48.9	60.8	62.2	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 20000	59.0	74.0	75.9	76.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 18000	59.0	74.0	75.9	76.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 16000	59.4	74.4	76.3	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 14000	60.2	75.9	77.8	78.2	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 12000	62.1	78.3	80.3	80.8	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 10000	63.6	81.3	83.4	84.3	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 9000	63.8	81.8	84.0	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 8000	65.4	84.1	86.3	87.8	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4
≥ 7000	65.8	84.9	87.1	88.6	89.3	89.3	89.3	89.3	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4
≥ 6000	66.0	85.3	87.8	89.2	90.0	90.0	90.0	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1
≥ 5000	66.1	85.6	88.0	89.4	90.2	90.2	90.2	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3
≥ 4500	66.8	86.8	89.2	90.7	91.4	91.4	91.4	91.4	91.4	91.4	91.6	91.6	91.6	91.6	91.6	91.6
≥ 4000	67.1	87.6	90.0	91.4	92.2	92.2	92.2	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3
≥ 3500	67.3	88.0	90.4	91.9	92.7	92.7	92.7	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8
≥ 3000	68.0	89.0	91.6	93.1	93.9	93.9	93.9	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0
≥ 2500	68.2	89.8	92.3	94.0	94.9	94.9	94.9	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0
≥ 2000	68.8	90.8	93.7	95.4	96.3	96.3	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1800	69.1	91.1	94.0	95.8	96.7	96.7	96.8	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1500	69.8	91.8	94.7	96.4	97.4	97.4	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1200	70.0	92.1	95.4	97.2	98.3	98.3	98.4	98.4	98.4	98.4	98.6	98.7	98.7	98.7	98.7	98.7
≥ 1000	70.0	92.1	95.4	97.3	98.4	98.4	98.7	98.7	98.7	98.7	98.8	98.9	98.9	98.9	98.9	98.9
≥ 900	70.2	92.3	95.7	97.6	98.7	98.7	98.9	98.9	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1
≥ 800	70.2	92.4	95.8	97.7	98.8	98.8	99.0	99.0	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2
≥ 700	70.2	92.4	95.8	97.7	98.8	98.8	99.0	99.0	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2
≥ 600	70.2	92.4	95.8	97.7	98.8	98.8	99.0	99.0	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2
≥ 500	70.2	92.6	95.9	97.8	99.0	99.0	99.6	99.6	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8
≥ 400	70.2	92.6	95.9	97.8	99.0	99.0	99.6	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0
≥ 300	70.2	92.6	95.9	97.8	99.0	99.0	99.6	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0
≥ 200	70.2	92.6	95.9	97.8	99.0	99.0	99.6	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0
≥ 100	70.2	92.6	95.9	97.8	99.0	99.0	99.6	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0
≥ 0	70.2	92.6	95.9	97.8	99.0	99.0	99.6	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM JUL 64 0-14-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12976

ELLINGTON AFB TX

69,72-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	58.3	68.9	70.3	70.9	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 20000	64.7	77.9	79.7	80.4	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 18000	64.7	77.9	79.7	80.4	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 16000	64.7	77.9	79.7	80.4	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 14000	65.3	78.7	80.4	81.2	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 12000	67.2	80.9	82.7	83.4	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 10000	69.0	83.3	85.2	86.1	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 9000	69.6	84.4	86.7	87.6	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 8000	71.4	86.7	88.9	89.8	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 7000	71.8	87.2	89.4	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 6000	72.0	87.6	89.8	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 5000	72.6	88.1	90.4	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 4500	72.8	88.3	90.7	91.6	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 4000	73.3	89.2	91.6	92.4	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 3500	73.6	89.6	91.9	92.8	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 3000	73.8	90.1	92.6	93.6	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 2500	74.2	90.9	93.3	94.4	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 2000	74.7	91.6	94.1	95.3	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1800	74.9	91.8	94.3	95.6	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1500	75.0	92.1	94.7	96.0	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1200	75.1	92.3	95.0	96.4	97.3	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1000	75.3	92.8	95.4	97.0	98.0	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 900	75.6	93.0	95.7	97.2	98.2	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	75.6	93.0	95.7	97.3	98.3	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 700	75.7	93.1	95.8	97.4	98.4	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	75.7	93.1	95.9	97.6	98.6	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500	75.7	93.3	96.1	97.8	98.8	99.0	99.4	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 400	75.7	93.3	96.1	97.8	98.8	99.0	99.4	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 300	75.7	93.3	96.1	97.8	98.8	99.0	99.4	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 200	75.7	93.3	96.1	97.8	98.8	99.0	99.4	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100	75.7	93.3	96.1	97.8	98.8	99.0	99.4	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0	75.7	93.3	96.1	97.8	98.8	99.0	99.4	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69,72-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	43.4	56.1	58.4	60.3	62.1	62.4	63.2	63.5	63.6	63.8	63.9	64.0	64.0	64.1	64.1	64.1
≥ 20000	50.0	65.3	68.2	70.4	72.4	72.9	73.7	74.0	74.1	74.4	74.5	74.6	74.6	74.7	74.7	74.7
≥ 18000	50.1	65.5	68.3	70.6	72.6	73.0	73.8	74.2	74.3	74.5	74.7	74.7	74.8	74.8	74.8	74.9
≥ 16000	50.3	65.7	68.5	70.8	72.8	73.2	74.0	74.4	74.5	74.8	74.9	74.9	75.0	75.0	75.1	75.1
≥ 14000	50.8	66.4	69.3	71.6	73.6	74.0	74.8	75.2	75.3	75.6	75.7	75.7	75.8	75.8	75.9	75.9
≥ 12000	52.3	68.4	71.4	73.7	75.8	76.3	77.1	77.4	77.5	77.8	77.9	78.0	78.0	78.1	78.1	78.1
≥ 10000	54.6	72.1	75.2	77.7	80.0	80.5	81.4	81.8	81.8	82.1	82.2	82.3	82.3	82.4	82.4	82.4
≥ 9000	54.9	72.7	75.9	78.6	80.9	81.5	82.3	82.7	82.8	83.1	83.2	83.2	83.3	83.3	83.4	83.4
≥ 8000	56.3	75.1	78.5	81.3	83.7	84.2	85.1	85.5	85.6	85.8	86.0	86.0	86.1	86.1	86.2	86.2
≥ 7000	56.6	75.7	79.1	81.9	84.3	84.9	85.8	86.2	86.3	86.5	86.7	86.7	86.8	86.8	86.8	86.9
≥ 6000	56.9	76.1	79.6	82.4	84.9	85.4	86.3	86.7	86.8	87.1	87.2	87.2	87.3	87.3	87.4	87.4
≥ 5000	57.3	76.8	80.2	83.1	85.6	86.2	87.1	87.5	87.6	87.8	88.0	88.0	88.1	88.1	88.2	88.2
≥ 4500	57.6	77.2	80.7	83.6	86.2	86.8	87.7	88.1	88.2	88.5	88.6	88.6	88.7	88.7	88.8	88.8
≥ 4000	57.9	78.0	81.5	84.5	87.1	87.7	88.5	88.9	89.0	89.3	89.4	89.5	89.5	89.6	89.6	89.6
≥ 3500	58.2	78.5	82.1	85.1	87.7	88.3	89.2	89.6	89.7	90.0	90.1	90.2	90.3	90.3	90.3	90.3
≥ 3000	58.9	79.6	83.3	86.4	89.0	89.6	90.5	90.9	91.0	91.3	91.5	91.5	91.6	91.6	91.7	91.7
≥ 2500	59.3	80.5	84.3	87.5	90.2	90.8	91.7	92.1	92.2	92.5	92.7	92.7	92.8	92.8	92.9	92.9
≥ 2000	59.7	81.5	85.4	88.8	91.4	92.0	93.0	93.4	93.5	93.9	94.0	94.1	94.1	94.2	94.2	94.2
≥ 1800	59.9	81.8	85.7	89.1	91.7	92.3	93.3	93.7	93.8	94.2	94.3	94.4	94.4	94.5	94.5	94.5
≥ 1500	60.4	82.6	86.6	90.0	92.8	93.4	94.4	94.9	95.0	95.3	95.5	95.5	95.6	95.6	95.7	95.7
≥ 1200	60.6	83.3	87.4	90.9	93.8	94.4	95.4	96.0	96.1	96.4	96.6	96.6	96.7	96.7	96.8	96.8
≥ 1000	60.6	83.7	87.9	91.6	94.5	95.1	96.2	96.7	96.9	97.2	97.3	97.4	97.5	97.5	97.6	97.6
≥ 900	60.7	83.9	88.2	91.8	94.8	95.5	96.5	97.1	97.2	97.5	97.7	97.7	97.8	97.9	97.9	97.9
≥ 800	60.9	84.1	88.4	92.1	95.1	95.8	96.9	97.4	97.6	97.9	98.0	98.1	98.2	98.3	98.3	98.3
≥ 700	60.9	84.2	88.5	92.3	95.3	96.1	97.2	97.7	97.8	98.2	98.3	98.4	98.5	98.5	98.6	98.6
≥ 600	60.9	84.3	88.7	92.6	95.6	96.4	97.6	98.1	98.2	98.6	98.8	98.8	98.9	99.0	99.0	99.0
≥ 500	60.9	84.4	88.8	92.8	95.9	96.8	98.0	98.6	98.8	99.2	99.3	99.4	99.5	99.6	99.6	99.6
≥ 400	60.9	84.4	88.8	92.8	96.0	96.9	98.2	98.8	99.0	99.4	99.6	99.6	99.7	99.8	99.8	99.8
≥ 300	60.9	84.4	88.9	92.9	96.0	96.9	98.2	98.9	99.0	99.5	99.6	99.7	99.8	99.9	99.9	99.9
≥ 200	60.9	84.4	88.9	92.9	96.0	96.9	98.2	98.9	99.0	99.5	99.7	99.7	99.8	99.9	99.9	100.0
≥ 100	60.9	84.4	88.9	92.9	96.0	96.9	98.2	98.9	99.0	99.5	99.7	99.7	99.8	99.9	99.9	100.0
≥ 0	60.9	84.4	88.9	92.9	96.0	96.9	98.2	98.9	99.0	99.5	99.7	99.7	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS

7200

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12916

ELLINGTON AFB TX

69,72-80

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	53.7	64.8	68.5	70.8	72.2	72.3	72.6	73.1	73.2	73.4	74.0	74.1	74.3	74.4	74.8	75.1
≥ 20000	55.7	67.4	71.3	73.5	75.1	75.3	75.6	76.1	76.3	76.6	77.3	77.4	77.6	77.7	78.2	78.4
≥ 18000	55.7	67.5	71.4	73.7	75.2	75.4	75.7	76.2	76.5	76.7	77.4	77.5	77.7	77.8	78.3	78.5
IV 16000	55.7	67.5	71.4	73.7	75.2	75.4	75.7	76.2	76.5	76.7	77.4	77.5	77.7	77.8	78.3	78.5
IV 14000	56.6	68.5	72.4	74.6	76.1	76.3	76.7	77.2	77.4	77.6	78.4	78.5	78.7	78.8	79.2	79.5
IV 12000	57.2	69.1	73.0	75.3	76.8	77.0	77.3	77.8	78.1	78.3	79.0	79.1	79.4	79.5	79.9	80.1
IV 10000	59.1	71.9	75.8	78.1	79.6	79.8	80.1	80.6	80.9	81.1	81.8	81.9	82.2	82.3	82.7	82.9
IV 9000	59.9	72.9	76.8	79.0	80.5	80.8	81.1	81.6	81.8	82.0	82.8	82.9	83.1	83.2	83.7	83.9
IV 8000	61.9	75.1	78.9	81.3	82.9	83.1	83.4	84.0	84.2	84.4	85.2	85.3	85.5	85.6	86.0	86.2
IV 7000	62.7	76.6	80.4	82.8	84.4	84.6	84.9	85.5	85.7	85.9	86.7	86.8	87.0	87.1	87.5	87.7
IV 6000	63.2	77.2	81.1	83.4	85.1	85.3	85.6	86.1	86.3	86.6	87.3	87.4	87.6	87.7	88.2	88.4
IV 5000	64.0	78.2	82.0	84.5	86.1	86.3	86.7	87.2	87.4	87.6	88.4	88.5	88.7	88.8	89.2	89.5
IV 4500	64.0	78.2	82.0	84.5	86.1	86.3	86.7	87.2	87.4	87.6	88.4	88.5	88.7	88.8	89.2	89.5
IV 4000	64.8	79.2	83.1	85.7	87.4	87.6	88.0	88.5	88.7	88.9	89.7	89.8	90.0	90.1	90.5	90.6
IV 3500	64.9	79.5	83.4	86.0	87.7	88.0	88.3	88.8	89.0	89.2	90.0	90.1	90.3	90.4	90.9	91.1
IV 3000	65.9	80.2	84.4	87.1	88.8	89.0	89.4	89.9	90.1	90.3	91.1	91.2	91.4	91.5	91.9	92.2
IV 2500	65.7	80.4	84.6	87.3	89.0	89.2	89.6	90.1	90.3	90.5	91.3	91.4	91.6	91.7	92.2	92.4
IV 2000	66.8	82.0	86.2	89.0	90.8	91.0	91.3	91.8	92.0	92.3	93.0	93.1	93.3	93.4	93.9	94.1
IV 1800	66.9	82.2	86.3	89.1	90.9	91.1	91.4	91.9	92.2	92.4	93.1	93.2	93.4	93.5	94.0	94.2
IV 1500	67.6	83.0	87.4	90.2	91.9	92.2	92.5	93.0	93.2	93.4	94.2	94.3	94.5	94.6	95.1	95.3
IV 1200	68.5	84.3	88.7	91.6	93.3	93.5	93.9	94.4	94.6	94.8	95.6	95.7	95.9	96.0	96.5	96.7
IV 1000	68.7	84.7	89.1	92.2	93.9	94.1	94.4	94.9	95.2	95.4	96.1	96.2	96.5	96.6	97.0	97.2
IV 900	68.9	85.3	89.7	92.7	94.4	94.6	94.9	95.5	95.7	95.9	96.7	96.8	97.0	97.1	97.5	97.7
IV 800	69.0	85.5	90.0	93.0	94.8	95.1	95.4	95.9	96.1	96.3	97.1	97.2	97.4	97.5	98.0	98.2
IV 700	69.1	86.0	90.6	93.7	95.5	95.7	96.0	96.6	96.8	97.0	97.7	97.8	98.1	98.2	98.6	98.8
IV 600	69.2	86.6	91.2	94.2	96.0	96.2	96.6	97.1	97.3	97.5	98.3	98.4	98.6	98.7	99.1	99.4
IV 500	69.4	86.7	91.3	94.3	96.1	96.3	96.7	97.2	97.4	97.6	98.4	98.5	98.7	98.8	99.2	99.5
IV 400	69.4	86.8	91.4	94.5	96.3	96.7	97.0	97.5	97.7	98.0	98.7	98.8	99.0	99.1	99.6	99.8
IV 300	69.4	86.8	91.4	94.5	96.3	96.7	97.0	97.5	97.7	98.0	98.7	98.8	99.0	99.1	99.6	99.8
IV 200	69.4	86.8	91.4	94.5	96.3	96.7	97.0	97.5	97.7	98.0	98.7	98.8	99.0	99.1	99.6	99.8
IV 100	69.4	86.8	91.4	94.5	96.3	96.7	97.0	97.5	97.7	98.0	98.7	98.8	99.0	99.1	99.6	99.8
IV 0	69.4	86.8	91.4	94.5	96.3	96.7	97.0	97.5	97.7	98.0	98.7	98.8	99.0	99.1	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12956

ELLINGTON AFB TX

69,72-80

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¼	≥0
NO CEILING	47.3	58.4	61.4	64.0	65.9	66.2	67.2	67.8	68.6	69.4	69.7	69.8	70.2	70.4	71.6	73.4
≥ 20000	48.7	60.5	63.7	66.3	68.3	68.6	69.6	70.3	71.2	71.9	72.3	72.4	72.8	73.0	74.2	76.0
≥ 18000	48.7	60.6	63.8	66.5	68.4	68.7	69.7	70.4	71.3	72.0	72.4	72.5	72.9	73.1	74.3	76.1
≥ 16000	48.7	60.6	63.8	66.5	68.4	68.7	69.7	70.4	71.3	72.0	72.4	72.5	72.9	73.1	74.3	76.1
≥ 14000	48.7	60.6	63.8	66.5	68.4	68.7	69.7	70.4	71.3	72.0	72.4	72.5	72.9	73.1	74.3	76.1
≥ 12000	49.1	61.1	64.4	67.1	69.0	69.4	70.3	71.1	71.9	72.7	73.0	73.1	73.5	73.8	74.9	76.8
≥ 10000	51.2	63.4	66.9	69.7	71.7	72.0	73.0	73.9	74.7	75.5	75.8	75.9	76.3	76.6	77.7	79.6
≥ 9000	52.0	64.3	67.8	70.8	72.9	73.2	74.2	75.1	75.9	76.7	77.0	77.1	77.5	77.7	78.9	80.8
≥ 8000	53.4	66.9	70.8	73.9	76.0	76.3	77.3	78.2	79.0	79.8	80.1	80.2	80.6	80.9	82.0	83.9
≥ 7000	54.0	67.6	71.5	74.7	76.9	77.2	78.2	79.0	79.9	80.6	81.0	81.1	81.5	81.7	82.9	84.7
≥ 6000	54.6	68.6	72.5	75.7	77.8	78.2	79.1	80.0	80.9	81.6	81.9	82.0	82.5	82.7	83.9	85.7
≥ 5000	55.4	69.9	73.9	77.2	79.4	79.7	80.6	81.5	82.4	83.1	83.4	83.5	84.0	84.2	85.4	87.2
≥ 4500	55.6	70.1	74.3	77.7	79.9	80.2	81.2	82.0	82.9	83.7	84.0	84.1	84.5	84.7	85.9	87.7
≥ 4000	56.6	71.4	75.6	79.0	81.2	81.5	82.5	83.3	84.2	84.9	85.3	85.4	85.8	86.0	87.2	89.0
≥ 3500	56.7	71.6	75.8	79.2	81.4	81.7	82.7	83.5	84.4	85.2	85.5	85.6	86.0	86.2	87.4	89.2
≥ 3000	56.8	72.4	76.6	80.0	82.2	82.5	83.4	84.3	85.2	85.9	86.2	86.3	86.8	87.0	88.2	90.0
≥ 2500	57.0	72.9	77.1	80.5	82.7	83.0	84.0	84.8	85.7	86.5	86.8	86.9	87.3	87.5	88.7	90.5
≥ 2000	57.3	73.8	78.4	81.8	84.0	84.3	85.3	86.2	87.1	87.8	88.3	88.4	88.8	89.0	90.2	92.0
≥ 1800	57.3	73.8	78.5	81.9	84.1	84.4	85.4	86.3	87.2	88.0	88.4	88.5	88.9	89.1	90.3	92.2
≥ 1500	57.7	74.4	79.2	82.7	84.8	85.2	86.1	87.1	88.0	88.7	89.1	89.2	89.7	89.9	91.1	92.9
≥ 1200	58.1	75.3	80.2	83.7	85.8	86.2	87.2	88.2	89.0	89.8	90.2	90.3	90.8	91.0	92.2	94.0
≥ 1000	58.4	76.0	81.1	84.5	86.6	87.2	88.2	89.1	90.0	90.8	91.2	91.3	91.7	91.9	93.1	94.9
≥ 900	58.5	76.1	81.2	84.6	87.0	87.4	88.4	89.5	90.3	91.1	91.5	91.6	92.0	92.3	93.4	95.3
≥ 800	59.7	77.1	82.2	85.7	88.1	88.5	89.5	90.5	91.4	92.2	92.6	92.7	93.1	93.3	94.5	96.3
≥ 700	59.4	77.6	82.8	86.6	89.0	89.5	90.4	91.5	92.4	93.1	93.5	93.7	94.1	94.3	95.5	97.3
≥ 600	59.4	77.8	83.3	87.1	89.6	90.0	91.0	92.2	93.0	93.8	94.2	94.3	94.7	94.9	96.1	98.0
≥ 500	59.5	78.3	83.9	87.8	90.1	90.5	91.5	92.7	93.5	94.3	94.7	94.8	95.3	95.5	96.7	98.5
≥ 400	59.6	78.7	84.3	88.2	90.8	91.2	92.2	93.3	94.2	94.9	95.4	95.5	95.9	96.1	97.3	99.1
≥ 300	59.6	78.7	84.3	88.3	90.9	91.3	92.3	93.4	94.3	95.1	95.5	95.6	96.0	96.2	97.4	99.2
≥ 200	59.6	78.7	84.3	88.4	91.0	91.4	92.4	93.5	94.4	95.3	95.7	95.8	96.2	96.5	97.6	99.5
≥ 100	59.6	78.7	84.3	88.4	91.0	91.4	92.4	93.5	94.4	95.3	95.7	95.8	96.2	96.5	97.7	99.8
0	59.6	78.7	84.3	88.4	91.0	91.4	92.4	93.5	94.4	95.3	95.7	95.8	96.2	96.5	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69,72-80

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	28.1	42.3	47.0	50.3	53.5	54.7	57.6	59.7	60.5	62.7	63.4	63.7	64.3	64.5	65.4	67.2
≥ 20000	29.7	45.1	50.0	53.7	57.3	58.7	61.6	63.9	64.7	67.0	67.7	68.0	68.6	68.8	69.7	71.5
IV 18000	29.7	45.1	50.0	53.7	57.3	58.7	61.6	63.9	64.7	67.0	67.7	68.0	68.6	68.8	69.7	71.5
IV 16000	29.7	45.1	50.0	53.7	57.3	58.7	61.6	63.9	64.7	67.0	67.7	68.0	68.6	68.8	69.7	71.5
IV 14000	29.7	45.1	50.0	53.7	57.3	58.7	61.6	63.9	64.7	67.0	67.7	68.0	68.6	68.8	69.7	71.5
IV 12000	30.9	46.5	51.4	55.1	58.7	60.2	63.1	65.4	66.2	68.5	69.4	69.6	70.3	70.5	71.4	73.2
IV 10000	32.9	49.1	54.2	58.2	61.9	63.4	66.3	68.6	69.5	71.8	72.7	72.9	73.7	73.9	74.7	76.6
IV 9000	33.5	50.0	55.3	59.4	63.1	64.6	67.5	69.8	70.6	73.0	73.9	74.1	74.8	75.1	75.9	77.7
IV 8000	34.6	51.5	56.9	61.1	65.1	66.7	69.7	71.9	72.8	75.2	76.0	76.2	77.0	77.2	78.1	79.9
IV 7000	35.4	53.2	58.6	63.0	67.1	68.8	72.0	74.3	75.2	77.5	78.4	78.6	79.4	79.6	80.4	82.3
IV 6000	35.7	54.1	59.7	64.2	68.3	70.0	73.2	75.5	76.3	78.7	79.6	79.8	80.5	80.8	81.6	83.4
IV 5000	36.3	54.9	60.9	65.4	69.5	71.2	74.4	76.7	77.5	79.9	80.8	81.0	81.7	81.9	82.8	84.6
IV 4500	36.3	54.9	61.0	65.5	69.6	71.3	74.6	76.9	77.7	80.1	81.0	81.2	81.9	82.2	83.0	84.8
IV 4000	36.9	55.7	61.9	66.7	70.9	72.6	75.9	78.2	79.0	81.4	82.3	82.5	83.2	83.4	84.3	86.1
IV 3500	37.2	56.5	62.7	67.4	71.6	73.3	76.7	78.9	79.8	82.2	83.0	83.2	84.0	84.2	85.1	86.9
IV 3000	37.4	56.9	63.1	67.8	72.2	73.9	77.2	79.5	80.3	82.7	83.5	83.8	84.5	84.7	85.6	87.4
IV 2500	37.6	57.3	63.5	68.3	72.6	74.3	77.6	79.9	80.8	83.1	84.0	84.2	84.9	85.2	86.0	87.8
IV 2000	37.7	57.7	64.1	69.0	73.3	75.1	78.4	80.8	81.6	84.0	84.8	85.1	85.8	86.0	86.9	88.7
IV 1800	37.7	57.8	64.2	69.1	73.4	75.2	78.5	80.9	81.7	84.1	84.9	85.2	85.9	86.1	87.0	88.8
IV 1500	37.8	58.2	64.6	69.9	74.7	76.5	80.0	82.7	83.5	85.9	86.8	87.0	87.7	88.0	88.8	90.6
IV 1200	38.5	59.2	65.8	71.3	76.2	78.0	81.5	84.2	85.1	87.4	88.3	88.5	89.2	89.5	90.3	92.2
IV 1000	39.1	60.3	67.0	72.8	77.8	79.6	83.1	85.8	86.7	89.0	89.9	90.1	90.9	91.1	91.9	93.8
IV 900	39.2	60.5	67.2	73.0	78.2	79.9	83.4	86.2	87.1	89.5	90.3	90.5	91.3	91.5	92.4	94.2
IV 800	39.8	61.1	67.7	73.8	78.9	80.6	84.2	87.0	87.8	90.2	91.1	91.3	92.0	92.3	93.1	94.9
IV 700	39.9	61.5	68.3	74.3	79.6	81.4	84.9	87.7	88.6	91.0	91.8	92.0	92.8	93.0	93.9	95.7
IV 600	39.9	61.6	68.4	74.4	79.8	81.6	85.3	88.1	88.9	91.3	92.2	92.4	93.1	93.3	94.2	96.0
IV 500	39.9	62.0	68.9	75.1	80.4	82.4	86.1	88.9	89.8	92.2	93.0	93.2	94.0	94.2	95.1	96.9
IV 400	39.9	62.3	69.1	75.3	80.9	82.9	86.8	89.8	90.6	93.0	93.9	94.1	94.8	95.1	95.9	97.7
IV 300	39.9	62.3	69.1	75.3	80.9	82.9	86.8	89.8	90.6	93.3	94.2	94.4	95.2	95.6	96.5	98.6
IV 200	39.9	62.3	69.1	75.3	80.9	82.9	86.8	89.8	90.6	93.3	94.2	94.4	95.2	95.6	96.5	98.6
IV 100	39.9	62.3	69.1	75.3	80.9	82.9	86.8	89.8	90.6	93.3	94.2	94.4	95.3	95.7	96.8	99.6
IV 0	39.9	62.3	69.1	75.3	80.9	82.9	86.8	89.8	90.6	93.3	94.2	94.4	95.3	95.7	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12976

ELLINGTON AFB TX

69,72-80

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	37.7	54.8	58.6	60.9	62.6	62.8	63.5	63.7	63.8	64.1	64.2	64.2	64.2	64.2	64.2	64.2
≥ 20000	40.9	60.0	63.9	66.5	68.3	68.6	69.4	69.5	69.6	70.0	70.1	70.1	70.2	70.2	70.2	70.2
≥ 18000	40.9	60.0	63.9	66.5	68.3	68.6	69.4	69.5	69.6	70.0	70.1	70.1	70.2	70.2	70.2	70.2
≥ 16000	40.9	60.0	64.0	66.6	68.4	68.7	69.5	69.6	69.7	70.1	70.2	70.2	70.3	70.3	70.3	70.3
≥ 14000	41.3	60.9	64.4	67.0	68.8	69.1	69.9	70.0	70.1	70.5	70.6	70.6	70.8	70.8	70.8	70.8
≥ 12000	42.3	62.3	66.2	69.0	70.9	71.2	71.9	72.0	72.2	72.6	72.7	72.7	72.8	72.8	72.8	72.8
≥ 10000	43.9	65.5	69.6	72.4	74.4	74.8	75.6	75.7	75.8	76.2	76.3	76.3	76.5	76.5	76.5	76.5
≥ 9000	44.2	65.9	70.0	72.9	74.9	75.5	76.3	76.5	76.6	77.0	77.1	77.1	77.2	77.2	77.2	77.2
≥ 8000	45.4	67.5	71.7	74.7	77.0	77.5	78.4	78.5	78.6	79.0	79.1	79.1	79.2	79.2	79.2	79.2
≥ 7000	46.0	69.1	73.4	76.5	79.7	79.2	80.1	80.3	80.4	80.9	81.0	81.0	81.1	81.1	81.1	81.1
≥ 6000	46.6	70.2	74.6	77.7	80.1	80.6	81.5	81.7	81.8	82.3	82.4	82.4	82.5	82.5	82.5	82.5
≥ 5000	47.2	71.5	75.9	79.0	81.4	81.9	82.8	83.0	83.1	83.5	83.7	83.7	83.8	83.8	83.8	83.8
≥ 4500	47.3	71.8	76.2	79.4	81.7	82.3	83.1	83.3	83.4	83.9	84.0	84.0	84.1	84.1	84.1	84.1
≥ 4000	47.8	72.9	77.4	80.6	83.0	83.5	84.4	84.6	84.7	85.2	85.3	85.3	85.4	85.4	85.4	85.4
≥ 3500	48.6	74.1	78.6	81.8	84.2	84.7	85.6	85.8	85.9	86.3	86.5	86.5	86.6	86.6	86.6	86.6
≥ 3000	49.0	74.9	79.5	82.7	85.2	85.7	86.7	86.9	87.0	87.4	87.5	87.5	87.6	87.6	87.6	87.6
≥ 2500	49.2	75.5	80.2	83.4	85.9	86.5	87.4	87.6	87.7	88.2	88.3	88.3	88.4	88.4	88.4	88.4
≥ 2000	49.8	77.0	81.8	85.1	87.5	88.1	89.0	89.4	89.5	89.9	90.0	90.0	90.1	90.1	90.1	90.1
≥ 1800	50.2	77.9	82.4	85.6	88.1	88.6	89.6	89.9	90.0	90.4	90.5	90.5	90.6	90.6	90.6	90.6
≥ 1500	50.9	78.5	83.3	86.6	89.1	89.7	90.6	91.1	91.2	91.6	91.7	91.7	91.8	91.8	91.8	91.8
≥ 1200	51.7	79.7	84.7	88.1	90.6	91.2	92.3	92.7	92.8	93.2	93.3	93.3	93.4	93.4	93.4	93.4
≥ 1000	51.9	80.3	85.5	88.8	91.7	92.3	93.4	93.9	94.0	94.4	94.5	94.5	94.6	94.6	94.6	94.6
≥ 900	52.0	81.0	86.2	89.9	92.8	93.3	94.5	94.9	95.1	95.5	95.6	95.6	95.7	95.7	95.7	95.7
≥ 800	52.2	81.3	86.8	90.4	93.5	94.1	95.4	95.8	95.9	96.3	96.5	96.5	96.6	96.6	96.6	96.6
≥ 700	52.2	81.3	86.8	90.6	93.9	94.6	95.9	96.3	96.7	97.1	97.2	97.2	97.3	97.3	97.3	97.3
≥ 600	52.2	81.4	87.0	91.0	94.2	94.9	96.2	96.7	97.0	97.4	97.5	97.5	97.6	97.6	97.6	97.6
≥ 500	52.2	81.5	87.1	91.1	94.5	95.4	96.7	97.2	97.5	98.2	98.3	98.3	98.5	98.5	98.5	98.5
≥ 400	52.2	81.5	87.1	91.1	94.6	95.5	96.8	97.6	98.0	98.7	98.8	98.8	99.0	99.0	99.1	99.1
≥ 300	52.2	81.5	87.1	91.1	94.6	95.5	96.9	97.8	98.2	99.0	99.2	99.2	99.6	99.7	99.8	99.8
≥ 200	52.2	81.5	87.1	91.1	94.6	95.5	96.9	97.8	98.2	99.0	99.2	99.2	99.6	99.7	99.9	99.9
≥ 100	52.2	81.5	87.1	91.1	94.6	95.5	96.9	97.8	98.2	99.0	99.2	99.2	99.6	99.7	99.9	99.9
≥ 0	52.2	81.5	87.1	91.1	94.6	95.5	96.9	97.8	98.2	99.0	99.2	99.2	99.6	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69,72-80

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	53.4	64.3	65.0	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 20000	58.3	71.3	72.4	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 18000	58.3	71.3	72.4	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 16000	58.3	71.3	72.4	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 14000	58.3	71.4	72.6	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 12000	59.0	72.9	74.2	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 10000	60.6	76.1	77.4	77.9	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 9000	60.8	76.6	77.9	78.5	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 8000	61.9	78.4	80.0	80.5	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 7000	62.3	79.3	81.2	81.8	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 6000	62.5	80.1	81.9	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 5000	63.0	81.5	83.6	84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 4500	63.6	82.2	84.5	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 4000	64.4	83.2	85.5	86.2	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 3500	65.0	84.3	86.5	87.3	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 3000	66.2	85.9	88.2	88.9	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 2500	68.0	88.4	90.7	91.5	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 2000	69.6	90.9	93.3	94.3	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1800	69.9	91.1	93.5	94.5	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1500	70.3	91.7	94.3	95.3	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1200	70.7	92.5	95.6	96.7	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1000	70.9	93.1	96.2	97.5	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 900	70.9	93.2	96.3	97.6	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 800	70.9	93.2	96.3	97.6	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	70.9	93.2	96.3	97.6	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	70.9	93.2	96.3	97.6	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	70.9	93.2	96.3	97.6	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	70.9	93.2	96.3	97.6	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	70.9	93.2	96.3	97.6	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	70.9	93.2	96.3	97.6	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	70.9	93.2	96.3	97.6	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	70.9	93.2	96.3	97.6	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

10906

ELLINGTON AFB TX

69,72-80

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	58.1	65.9	66.8	66.8	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 20000	66.0	75.5	76.5	76.5	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 18000	66.0	75.9	76.9	76.9	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 16000	66.0	75.9	76.9	76.9	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 14000	66.5	76.6	77.5	77.6	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 12000	67.5	78.1	79.0	79.2	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 10000	70.0	81.5	82.5	82.7	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 9000	70.2	81.7	82.7	82.9	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 8000	71.4	83.2	84.3	84.7	85.1	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 7000	71.9	84.9	86.0	86.5	86.9	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 6000	72.3	86.2	87.3	87.7	88.3	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 5000	72.8	88.1	89.1	89.6	90.1	90.2	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 4500	73.1	88.4	89.5	89.9	90.4	90.5	90.6	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 4000	73.9	90.0	91.1	91.5	92.2	92.3	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 3500	74.2	90.5	91.6	92.2	92.8	92.9	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 3000	74.6	91.2	92.3	92.8	93.5	93.7	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 2500	75.7	92.3	93.3	94.2	94.9	95.1	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 2000	76.6	93.3	94.4	95.3	96.0	96.1	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1800	76.7	93.5	94.8	95.7	96.5	96.6	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1500	76.8	93.9	95.2	96.0	96.8	96.9	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1200	77.5	94.7	96.3	97.2	98.1	98.2	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1000	77.5	94.7	96.5	97.3	98.3	98.4	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 900	77.5	94.7	96.6	97.5	98.7	98.8	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 800	77.5	94.7	96.6	97.5	98.8	98.9	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	77.5	94.8	96.7	97.6	98.9	99.0	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	77.5	94.8	96.7	97.6	98.9	99.0	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	77.5	94.8	96.7	97.7	99.1	99.2	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	77.5	94.8	96.7	97.7	99.1	99.2	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	77.5	94.8	96.7	97.7	99.1	99.2	99.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	77.5	94.8	96.7	97.7	99.1	99.2	99.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	77.5	94.8	96.7	97.7	99.1	99.2	99.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	77.5	94.8	96.7	97.7	99.1	99.2	99.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1976

ELLINGTON AFB TX

69,72-80

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	56.6	70.1	70.8	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 18000	60.4	74.5	75.2	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 16000	60.5	75.2	75.8	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 14000	61.6	76.3	77.0	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 12000	63.0	78.2	78.9	79.7	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 10000	65.3	81.3	82.0	82.8	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 9500	65.4	81.4	82.3	83.0	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 8000	66.2	82.5	83.3	84.2	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 7000	67.6	84.7	85.6	86.6	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 6000	68.1	85.8	86.8	87.7	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 5000	68.9	86.3	87.3	88.4	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 4500	68.7	86.8	87.7	88.8	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 4000	69.7	89.1	90.1	91.2	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 3500	69.8	89.5	91.4	91.8	92.0	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 3000	70.0	89.8	90.9	92.3	92.5	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 2500	71.3	91.3	92.4	93.8	94.0	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 2000	71.4	91.9	93.1	94.5	94.7	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 1800	71.6	92.2	93.3	94.7	94.9	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 1500	72.0	92.6	93.9	95.3	95.5	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 1200	72.4	93.3	94.7	96.1	96.3	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 1000	72.8	94.2	95.7	97.1	97.3	97.6	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2
IV 900	72.9	94.8	96.3	97.7	98.1	98.4	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
IV 800	72.9	95.1	96.6	98.0	98.5	98.8	99.1	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4
IV 700	72.9	95.1	96.7	98.1	98.6	98.9	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
IV 600	72.9	95.4	97.0	98.5	99.0	99.4	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	72.9	95.5	97.1	98.6	99.1	99.5	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	72.9	95.5	97.1	98.6	99.1	99.5	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	72.9	95.5	97.1	98.6	99.1	99.5	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	72.9	95.5	97.1	98.6	99.1	99.5	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	72.9	95.5	97.1	98.6	99.1	99.5	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	72.9	95.5	97.1	98.6	99.1	99.5	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69,72-80

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	57.0 59.9	69.7 73.1	71.9 75.5	72.8 76.3	73.0 76.6	73.1 76.7	73.4 77.0	73.4 77.0	73.4 77.0	73.7 77.2	73.7 77.2	73.7 77.2	73.8 77.3	73.9 77.4	73.9 77.4	73.9 77.4
≥ 18000 IV 16000	60.2 60.2	73.4 73.4	75.8 75.8	76.7 76.7	76.9 76.9	77.0 77.0	77.3 77.3	77.3 77.3	77.3 77.3	77.5 77.5	77.5 77.5	77.5 77.5	77.6 77.6	77.7 77.7	77.7 77.7	77.7 77.7
IV 14000 IV 12000	61.1 62.2	74.2 76.2	76.6 78.6	77.4 79.5	77.6 79.7	77.7 79.8	78.1 80.1	78.1 80.1	78.1 80.1	78.3 80.3	78.3 80.3	78.3 80.3	78.4 80.4	78.5 80.5	78.5 80.5	78.5 80.5
IV 10000 IV 9000	64.5 65.3	78.9 79.8	81.5 82.4	82.4 83.2	82.6 83.4	82.7 83.5	83.0 83.9	83.0 83.9	83.0 83.9	83.2 84.1	83.2 84.1	83.2 84.1	83.2 84.1	83.3 84.2	83.4 84.3	83.4 84.3
IV 8000 IV 7000	66.3 67.2	81.6 82.6	84.3 85.7	85.2 86.6	85.4 86.8	85.5 86.9	85.8 87.2	85.8 87.2	85.8 87.2	86.0 87.4	86.0 87.4	86.0 87.4	86.0 87.4	86.1 87.5	86.2 87.6	86.2 87.6
IV 6000 IV 5000	67.6 68.6	83.4 84.7	86.3 87.6	87.2 88.6	87.4 88.8	87.5 88.9	87.8 89.2	87.8 89.2	87.8 89.2	88.1 89.5	88.1 89.5	88.1 89.5	88.1 89.5	88.2 89.6	88.3 89.7	88.3 89.7
IV 4500 IV 4000	68.9 69.6	85.3 86.2	88.2 89.2	89.1 90.3	89.4 90.5	89.5 90.6	89.8 91.0	89.8 91.0	89.8 91.0	90.0 91.2	90.0 91.2	90.0 91.2	90.0 91.2	90.1 91.3	90.2 91.4	90.2 91.4
IV 3500 IV 3000	69.8 70.5	86.6 87.3	89.6 90.5	90.6 91.6	90.9 91.8	91.0 91.9	91.3 92.4	91.3 92.4	91.3 92.4	91.5 92.6	91.5 92.6	91.5 92.6	91.5 92.6	91.6 92.7	91.7 92.8	91.7 92.8
IV 2500 IV 2000	71.1 71.9	88.0 89.4	91.2 92.6	92.3 93.7	92.5 93.9	92.6 94.0	93.0 94.4	93.1 94.5	93.1 94.5	93.3 94.7	93.3 94.7	93.3 94.7	93.3 94.7	93.4 94.8	93.5 94.9	93.5 94.9
IV 1800 IV 1500	72.2 72.5	89.7 90.0	92.9 93.2	94.0 94.3	94.2 94.6	94.3 94.7	94.7 95.2	94.8 95.3	94.8 95.3	95.1 95.5	95.1 95.5	95.1 95.5	95.1 95.5	95.2 95.6	95.3 95.7	95.3 95.7
IV 1200 IV 1000	72.8 73.0	90.9 91.3	94.1 94.5	95.2 95.6	95.5 95.9	95.6 96.0	96.1 96.6	96.2 96.7	96.2 96.7	96.5 96.9	96.5 96.9	96.5 96.9	96.5 96.9	96.6 97.0	96.7 97.1	96.7 97.1
IV 900 IV 800	73.4 73.9	92.4 93.0	95.6 96.2	96.7 97.3	97.0 97.7	97.1 97.8	97.6 98.5	97.7 98.6	97.7 98.6	98.0 98.8	98.0 98.8	98.0 98.8	98.0 98.8	98.1 99.0	98.2 99.0	98.2 99.0
IV 700 IV 600	74.0 74.0	93.2 93.2	96.5 96.8	97.5 98.0	98.0 98.4	98.1 98.5	98.7 99.1	98.8 99.2	98.8 99.2	99.0 99.5	99.0 99.5	99.0 99.5	99.0 99.5	99.1 99.6	99.2 99.7	99.2 99.7
IV 500 IV 400	74.1 74.1	93.4 93.4	97.0 97.0	98.2 98.2	98.6 98.6	98.7 98.7	99.4 99.4	99.5 99.5	99.5 99.5	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.8 99.8	99.9 99.9	99.9 99.9
IV 300 IV 200	74.1 74.1	93.4 93.4	97.0 97.0	98.2 98.2	98.6 98.6	98.8 98.8	99.5 99.5	99.6 99.6	99.6 99.6	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.9 99.9	100.0 100.0	100.0 100.0
IV 100 IV 0	74.1 74.1	93.4 93.4	97.0 97.0	98.2 98.2	98.6 98.6	98.8 98.8	99.5 99.5	99.6 99.6	99.6 99.6	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.9 99.9	100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS

93

USAF ETAC

FORM
JUL 64

0-14-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

10476

ELLINGTON AFB TX

69,72-90

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	48.9	61.3	63.7	65.3	66.4	66.6	67.3	67.7	68.7	68.4	68.6	68.7	68.9	68.9	69.2	69.7
≥ 20000	52.5	65.9	68.9	70.2	71.4	71.7	72.3	72.8	73.1	73.5	73.8	73.8	74.0	74.1	74.4	74.9
≥ 18000	52.5	66.1	68.7	70.4	71.6	71.9	72.6	73.0	73.3	73.7	74.0	74.0	74.2	74.3	74.6	75.1
≥ 16000	52.5	66.1	68.8	70.4	71.6	71.9	72.6	73.0	73.3	73.8	74.0	74.1	74.2	74.3	74.6	75.1
≥ 14000	53.0	66.6	69.3	71.0	72.1	72.4	73.1	73.5	73.8	74.3	74.5	74.6	74.8	74.9	75.2	75.7
≥ 12000	53.0	68.0	70.7	72.4	73.6	74.3	74.6	75.1	75.3	75.8	76.1	76.1	76.3	76.4	76.7	77.2
≥ 10000	55.3	71.0	73.7	75.5	76.8	77.1	77.8	78.3	78.5	79.0	79.3	79.3	79.5	79.6	79.9	80.4
≥ 9000	56.4	71.6	74.4	76.2	77.5	77.8	78.5	79.0	79.3	79.8	80.0	80.1	80.3	80.3	80.7	81.1
≥ 8000	57.6	73.3	76.3	78.2	79.6	80.0	80.7	81.1	81.4	81.9	82.1	82.2	82.4	82.5	82.8	83.3
≥ 7000	58.4	74.6	77.6	79.6	81.2	81.6	82.3	82.8	83.1	83.6	83.8	83.9	84.1	84.2	84.5	84.9
≥ 6000	58.9	75.7	78.9	80.8	82.3	82.7	83.4	83.9	84.1	84.6	84.9	84.9	85.1	85.2	85.5	86.0
≥ 5000	59.9	76.9	80.1	82.1	83.6	84.0	84.7	85.2	85.5	86.0	86.2	86.3	86.5	86.6	86.9	87.4
≥ 4500	59.7	77.2	80.4	82.5	84.0	84.4	85.1	85.6	85.9	86.4	86.7	86.7	86.9	87.0	87.3	87.8
≥ 4000	60.4	78.5	81.7	83.9	85.4	85.8	86.6	87.1	87.3	87.8	88.1	88.1	88.3	88.4	88.7	89.2
≥ 3500	60.8	79.1	82.3	84.6	86.1	86.5	87.3	87.7	88.0	88.5	88.8	88.8	89.0	89.1	89.4	89.9
≥ 3000	61.3	79.8	83.2	85.4	87.0	87.4	88.2	88.7	88.9	89.4	89.7	89.7	89.9	90.0	90.3	90.8
≥ 2500	62.1	80.8	84.1	86.4	88.0	88.5	89.2	89.7	90.0	90.5	90.8	90.8	91.0	91.1	91.4	91.9
≥ 2000	62.6	82.1	85.5	87.8	89.4	89.9	90.7	91.2	91.5	92.0	92.2	92.3	92.5	92.6	92.9	93.4
≥ 1800	62.3	82.2	85.8	88.1	89.7	90.1	90.9	91.5	91.7	92.2	92.5	92.6	92.8	92.8	93.1	93.6
≥ 1500	63.2	82.8	86.4	88.8	90.5	90.9	91.7	92.3	92.6	93.1	93.4	93.4	93.6	93.7	94.0	94.5
≥ 1200	63.8	83.7	87.5	90.0	91.7	92.2	93.1	93.7	93.9	94.4	94.7	94.7	94.9	95.0	95.3	95.8
≥ 1000	64.1	84.3	88.2	90.7	92.6	93.0	93.9	94.5	94.8	95.3	95.6	95.6	95.8	95.9	96.2	96.7
≥ 900	64.2	84.8	88.6	91.2	93.1	93.6	94.5	95.1	95.4	95.9	96.2	96.2	96.4	96.5	96.8	97.3
≥ 800	64.4	85.1	89.0	91.7	93.7	94.2	95.1	95.7	96.0	96.5	96.8	96.8	97.0	97.1	97.4	97.9
≥ 700	64.5	85.3	89.3	92.0	94.1	94.6	95.5	96.2	96.5	96.9	97.2	97.3	97.5	97.6	97.9	98.4
≥ 600	64.5	85.5	89.6	92.3	94.4	94.9	95.9	96.5	96.8	97.3	97.6	97.7	97.9	98.0	98.3	98.7
≥ 500	64.5	85.7	89.8	92.5	94.7	95.2	96.2	96.9	97.2	97.7	98.0	98.1	98.3	98.3	98.7	99.1
≥ 400	64.6	85.8	89.9	92.6	94.8	95.4	96.4	97.2	97.5	98.0	98.3	98.3	98.6	98.6	99.0	99.4
≥ 300	64.6	85.8	89.9	92.7	94.9	95.5	96.5	97.2	97.5	98.1	98.4	98.5	98.7	98.8	99.2	99.7
≥ 200	64.6	85.8	89.9	92.7	94.9	95.5	96.5	97.2	97.5	98.1	98.5	98.5	98.7	98.9	99.2	99.7
≥ 100	64.6	85.8	89.9	92.7	94.9	95.5	96.5	97.2	97.5	98.1	98.5	98.5	98.7	98.9	99.2	99.7
≥ 0	64.6	85.8	89.9	92.7	94.9	95.5	96.5	97.2	97.5	98.1	98.5	98.5	98.7	98.9	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 7434

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12996

ELLINGTON AFB TX

69,72-80

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	42.3	48.7	49.6	51.1	52.1	52.2	53.2	53.3	53.4	54.0	54.1	54.1	54.6	54.8	55.3	57.6
≥ 20000	44.3	52.1	53.0	54.6	55.6	55.7	56.7	56.8	56.9	57.4	57.6	57.6	58.0	58.2	58.8	61.0
≥ 18000	44.3	52.1	53.0	54.6	55.6	55.7	56.7	56.8	56.9	57.4	57.6	57.6	58.0	58.2	58.8	61.0
≥ 16000	44.3	52.1	53.0	54.6	55.6	55.7	56.7	56.8	56.9	57.4	57.6	57.6	58.0	58.2	58.8	61.0
≥ 14000	44.8	52.6	53.4	55.0	56.0	56.1	57.1	57.2	57.3	57.9	58.0	58.0	58.4	58.7	59.2	61.4
≥ 12000	45.3	53.4	54.3	55.9	57.2	57.3	58.3	58.4	58.6	59.1	59.2	59.2	59.7	59.9	60.4	62.7
≥ 10000	46.3	54.8	55.7	57.2	58.6	58.7	59.7	59.8	59.9	60.4	60.6	60.6	61.0	61.2	61.8	64.0
≥ 9000	46.6	55.1	56.0	57.6	58.9	59.0	60.0	60.1	60.2	60.8	60.9	60.9	61.3	61.6	62.1	64.3
≥ 8000	47.7	56.4	57.6	59.2	60.6	60.7	61.7	61.8	61.9	62.4	62.6	62.6	63.0	63.2	63.8	66.0
≥ 7000	49.9	59.4	60.6	62.2	63.6	63.7	64.7	64.8	64.9	65.6	65.7	65.7	66.1	66.3	67.0	69.2
≥ 6000	51.2	61.6	62.7	64.4	65.8	65.9	66.9	67.2	67.3	68.0	68.1	68.1	68.6	68.8	69.4	71.7
≥ 5000	52.7	63.4	64.6	66.4	67.8	67.9	68.9	69.2	69.3	70.0	70.1	70.1	70.6	70.8	71.4	73.7
≥ 4500	52.8	64.1	65.2	67.1	68.4	68.6	69.6	70.0	70.1	70.8	70.9	70.9	71.3	71.6	72.2	74.4
≥ 4000	54.1	65.7	66.8	68.8	70.1	70.2	71.2	71.7	71.8	72.4	72.6	72.6	73.0	73.2	73.9	76.1
≥ 3500	55.0	66.8	67.9	69.9	71.2	71.3	72.3	72.8	72.9	73.6	73.7	73.7	74.1	74.3	75.0	77.2
≥ 3000	56.3	68.6	69.7	71.7	73.1	73.2	74.2	74.7	74.8	75.4	75.6	75.6	76.1	76.3	77.0	79.2
≥ 2500	57.6	70.4	71.7	73.8	75.3	75.4	76.4	76.9	77.0	77.7	77.8	77.8	78.3	78.6	79.2	81.4
≥ 2000	59.0	72.4	73.7	76.0	77.7	77.8	78.8	79.2	79.3	80.0	80.1	80.1	80.7	80.9	81.6	83.8
≥ 1800	59.1	72.8	74.0	76.3	78.0	78.1	79.1	79.6	79.7	80.3	80.4	80.4	81.0	81.2	81.9	84.1
≥ 1500	59.7	74.0	75.2	77.7	79.3	79.4	80.4	80.9	81.0	81.7	81.9	81.9	82.4	82.7	83.3	85.6
≥ 1200	60.7	75.8	77.3	79.8	81.7	81.8	82.8	83.2	83.3	84.0	84.2	84.2	84.8	85.1	85.8	88.0
≥ 1000	61.2	77.0	78.8	81.4	83.3	83.4	84.4	84.9	85.0	85.7	85.9	85.9	86.4	86.8	87.4	89.7
≥ 900	61.9	78.6	80.4	83.1	85.1	85.2	86.2	86.7	86.8	87.4	87.7	87.7	88.2	88.6	89.2	91.4
≥ 800	62.3	79.9	81.8	84.4	86.6	86.7	87.7	88.1	88.2	88.9	89.1	89.1	89.7	90.0	90.7	92.9
≥ 700	62.6	80.6	82.6	85.3	87.4	87.6	88.6	89.0	89.1	89.8	90.0	90.0	90.6	90.9	91.6	93.8
≥ 600	62.6	81.9	84.0	86.8	88.9	89.0	90.0	90.4	90.6	91.2	91.4	91.4	92.0	92.3	93.0	95.2
≥ 500	62.6	82.4	84.8	87.7	89.9	90.0	91.0	91.4	91.6	92.3	92.6	92.6	93.1	93.4	94.1	96.3
≥ 400	62.6	82.8	85.2	88.3	90.6	90.7	91.7	92.2	92.6	93.3	93.6	93.6	94.1	94.4	95.1	97.3
≥ 300	62.6	83.0	85.4	88.6	90.9	91.0	92.2	92.8	93.1	93.9	94.1	94.1	94.8	95.1	95.8	98.0
≥ 200	62.6	83.0	85.4	88.6	90.9	91.0	92.4	93.3	93.7	94.4	94.7	94.7	95.3	95.9	96.6	98.8
≥ 100	62.6	83.0	85.4	88.6	90.9	91.0	92.4	93.3	93.7	94.4	94.7	94.7	95.4	96.2	97.4	99.9
≥ 0	62.6	83.0	85.4	88.6	90.9	91.0	92.4	93.3	93.7	94.4	94.7	94.7	95.4	96.2	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 96

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

10906

ELLINGTON AFB TX

69,72-80

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	38.7	46.1	47.8	49.1	50.6	50.8	52.2	52.3	52.4	52.9	53.1	53.1	53.3	53.8	54.8	56.7
≥ 20000	40.3	47.9	49.6	50.9	52.3	52.6	54.0	54.1	54.2	54.7	54.9	54.9	55.1	55.6	56.6	58.4
≥ 18000	40.3	47.9	49.6	50.9	52.3	52.6	54.0	54.1	54.2	54.7	54.9	54.9	55.1	55.6	56.6	58.4
≥ 16000	40.3	47.9	49.6	50.9	52.3	52.6	54.0	54.1	54.2	54.7	54.9	54.9	55.1	55.6	56.6	58.4
≥ 14000	40.8	48.3	50.0	51.3	52.8	53.0	54.4	54.6	54.7	55.1	55.3	55.3	55.6	56.0	57.0	58.9
≥ 12000	41.2	48.9	50.6	51.9	53.3	53.6	55.0	55.1	55.2	55.7	55.9	55.9	56.1	56.6	57.9	59.8
≥ 10000	43.0	50.8	52.4	53.8	55.2	55.4	56.9	57.0	57.1	57.6	57.8	57.8	58.0	58.4	59.8	61.7
≥ 9000	43.0	51.1	52.8	54.1	55.6	55.8	57.2	57.3	57.4	57.9	58.1	58.1	58.3	58.8	60.1	62.0
≥ 8000	44.7	52.9	54.8	56.1	57.6	57.8	59.2	59.3	59.4	59.9	60.1	60.1	60.3	60.8	62.1	64.0
≥ 7000	46.2	55.0	57.1	58.4	59.9	60.1	61.6	61.7	61.8	62.2	62.4	62.4	62.7	63.1	64.6	66.6
≥ 6000	47.6	56.9	59.1	60.4	61.9	62.1	63.6	63.7	63.8	64.2	64.4	64.4	64.7	65.1	66.6	68.6
≥ 5000	48.7	58.7	61.0	62.3	63.8	64.0	65.4	65.6	65.7	66.1	66.3	66.3	66.7	67.1	68.6	70.6
≥ 4500	49.7	60.2	62.9	64.2	65.7	65.9	67.3	67.4	67.6	68.0	68.2	68.2	68.6	69.0	70.4	72.4
≥ 4000	50.7	61.7	64.3	65.7	67.1	67.3	68.8	68.9	69.0	69.4	69.7	69.7	70.0	70.4	71.9	73.9
≥ 3500	51.4	62.4	65.2	66.6	68.1	68.3	69.8	69.9	70.0	70.4	70.7	70.7	71.0	71.4	72.9	74.9
≥ 3000	53.0	64.2	67.1	68.4	70.0	70.2	71.7	71.8	71.9	72.4	72.7	72.7	73.0	73.4	75.0	77.0
≥ 2500	54.3	66.7	69.7	71.0	72.6	72.8	74.2	74.4	74.6	75.1	75.4	75.6	75.9	76.3	77.9	79.9
≥ 2000	55.3	68.1	71.2	72.7	74.3	74.6	76.0	76.2	76.3	76.9	77.2	77.3	77.7	78.2	79.8	81.8
≥ 1800	55.8	68.8	71.9	73.3	75.0	75.2	76.7	77.0	77.1	77.7	78.0	78.1	78.4	79.0	80.6	82.6
≥ 1500	56.7	70.7	73.8	75.2	76.9	77.1	78.6	78.9	79.0	79.6	79.9	80.0	80.3	80.9	82.4	84.4
≥ 1200	57.2	71.4	75.0	76.9	78.6	78.8	80.2	80.6	80.7	81.2	81.7	81.8	82.1	82.7	84.2	86.2
≥ 1000	57.6	72.6	76.3	78.2	79.9	80.1	81.6	81.9	82.0	82.6	83.0	83.1	83.4	84.0	85.6	87.6
≥ 900	58.1	73.8	77.7	79.6	81.2	81.4	82.9	83.2	83.3	83.9	84.3	84.4	84.8	85.3	86.9	88.9
≥ 800	58.4	75.2	79.3	81.2	82.9	83.1	84.6	84.9	85.0	85.6	86.0	86.1	86.4	87.0	88.6	90.6
≥ 700	58.7	76.1	80.2	82.1	83.8	84.0	85.4	85.8	85.9	86.4	86.9	87.0	87.3	87.9	89.4	91.4
≥ 600	58.7	77.1	81.7	83.8	85.4	85.7	87.1	87.4	87.6	88.1	88.6	88.7	89.0	89.6	91.1	93.1
≥ 500	58.8	78.1	82.9	85.2	87.0	87.2	88.7	89.0	89.1	89.7	90.1	90.2	90.6	91.1	92.7	94.7
≥ 400	58.8	78.7	83.4	86.1	88.0	88.2	89.8	90.1	90.2	90.8	91.2	91.3	91.7	92.2	93.8	95.8
≥ 300	58.8	78.7	83.4	86.2	88.1	88.4	90.2	90.6	90.7	91.2	91.7	91.8	92.1	92.7	94.2	96.2
≥ 200	58.8	78.7	83.4	86.2	88.1	88.4	90.4	91.1	91.4	92.0	92.8	92.9	93.2	93.9	95.6	97.7
≥ 100	58.8	78.7	83.4	86.2	88.1	88.4	90.4	91.1	91.4	92.0	92.9	93.0	93.3	94.2	96.2	99.1
≥ 0	58.8	78.7	83.4	86.2	88.1	88.4	90.4	91.1	91.4	92.0	92.9	93.0	93.3	94.2	96.2	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69,72-80

NCV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0630
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING	31.7	39.2	42.8	44.7	46.4	47.1	48.3	48.8	49.1	49.6	50.0	50.0	50.7	51.0	51.9	53.7
≥ 20000	32.9	41.2	44.9	47.1	49.0	49.7	50.9	51.3	51.7	52.3	52.8	52.8	53.4	53.8	54.8	56.6
≥ 18000	32.9	41.2	44.9	47.1	49.0	49.7	50.9	51.3	51.7	52.3	52.8	52.8	53.4	53.8	54.8	56.6
≥ 16000	32.9	41.2	44.9	47.1	49.0	49.7	50.9	51.3	51.7	52.3	52.8	52.8	53.4	53.8	54.8	56.6
≥ 14000	33.1	41.7	45.3	47.6	49.4	50.1	51.3	51.8	52.1	52.8	53.2	53.2	53.9	54.2	55.2	57.0
≥ 12000	33.4	42.3	46.1	48.4	50.3	51.0	52.2	52.7	53.0	53.7	54.1	54.1	54.8	55.2	56.3	58.1
≥ 10000	34.1	43.3	47.3	49.7	51.6	52.2	53.4	53.9	54.2	54.9	55.3	55.3	56.0	56.4	57.6	59.3
≥ 9000	34.2	43.6	47.7	50.1	52.0	52.7	53.9	54.3	54.7	55.3	55.8	55.8	56.4	56.9	58.0	59.8
≥ 8000	35.3	45.1	49.6	52.0	53.9	54.6	55.8	56.2	56.6	57.2	57.7	57.7	58.3	58.8	59.9	61.7
≥ 7000	36.1	46.7	51.2	53.7	55.9	56.8	58.1	58.6	59.0	59.7	60.1	60.1	60.9	61.3	62.4	64.2
≥ 6000	36.9	48.2	52.9	56.0	58.2	59.1	60.4	60.9	61.3	62.0	62.4	62.4	63.2	63.7	64.8	66.6
≥ 5000	38.7	50.6	55.3	58.7	61.0	61.9	63.2	63.7	64.1	64.8	65.2	65.2	66.0	66.4	67.6	69.3
≥ 4500	39.2	51.3	56.2	59.6	61.9	62.8	64.1	64.6	65.0	65.7	66.1	66.1	66.9	67.3	68.4	70.2
≥ 4000	40.1	53.3	58.3	62.3	64.3	65.2	66.6	67.0	67.4	68.3	68.8	68.8	69.6	70.0	71.1	72.9
≥ 3500	41.2	54.8	59.8	63.8	66.0	67.0	68.3	68.8	69.2	70.1	70.6	70.7	71.4	71.9	73.0	74.8
≥ 3000	41.7	56.2	61.6	65.7	68.6	69.6	71.2	71.9	72.3	73.6	74.0	74.1	75.1	75.6	76.8	78.6
≥ 2500	43.1	58.3	63.9	68.2	71.3	72.3	74.0	74.7	75.1	76.3	76.8	76.9	77.9	78.3	79.6	81.3
≥ 2000	43.8	59.4	65.1	69.6	72.9	73.9	75.6	76.2	76.7	77.9	78.3	78.4	79.4	79.9	81.1	83.0
≥ 1800	44.0	60.2	65.9	70.3	73.8	74.8	76.4	77.1	77.6	78.8	79.2	79.3	80.3	80.8	82.0	83.9
≥ 1500	44.3	61.3	67.0	71.7	75.1	76.2	77.9	78.6	79.2	80.2	80.7	80.8	81.8	82.2	83.4	85.3
≥ 1200	44.8	62.8	68.8	73.4	77.1	78.2	80.1	80.8	81.2	82.4	82.9	83.0	84.1	84.6	85.8	87.7
≥ 1000	44.9	63.3	69.3	74.0	77.8	78.9	80.8	81.7	82.1	83.3	83.8	83.9	85.0	85.4	86.7	88.6
≥ 900	45.1	63.9	69.9	74.6	78.6	79.8	81.7	82.6	83.0	84.2	84.7	84.8	85.9	86.3	87.6	89.4
≥ 800	45.2	64.6	70.7	75.7	79.7	80.9	82.8	83.7	84.1	85.4	85.9	86.0	87.1	87.6	88.8	90.7
≥ 700	45.2	65.4	71.6	76.9	81.0	82.2	84.1	85.1	85.6	87.0	87.6	87.7	88.8	89.2	90.4	92.3
≥ 600	45.2	65.8	72.1	77.7	81.9	83.2	85.1	86.1	86.6	88.1	88.7	88.8	89.9	90.3	91.6	93.4
≥ 500	45.2	66.3	72.7	78.3	82.7	84.0	86.0	87.2	87.8	89.3	90.0	90.1	91.2	91.7	92.9	94.8
≥ 400	45.2	66.4	72.9	79.0	83.6	84.9	87.0	88.2	88.8	90.7	91.3	91.4	92.6	93.0	94.2	96.1
≥ 300	45.2	66.4	72.9	79.0	83.7	85.1	87.2	88.4	89.0	90.9	91.6	91.7	92.8	93.2	94.4	96.4
≥ 200	45.2	66.4	72.9	79.1	83.8	85.2	87.4	88.8	89.4	91.3	92.1	92.3	93.6	94.1	95.4	97.7
≥ 100	45.2	66.4	72.9	79.1	83.8	85.2	87.4	88.8	89.4	91.3	92.3	92.7	93.9	94.4	95.9	99.2
≥ 0	45.2	66.4	72.9	79.1	83.8	85.2	87.4	88.8	89.4	91.3	92.3	92.7	93.9	94.4	95.9	100.0

TOTAL NUMBER OF OBSERVATIONS 950

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69,72-80

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	36.1	48.3	49.4	50.3	50.6	50.9	51.2	51.3	51.3	51.6	51.7	51.7	51.8	51.8	51.8	51.9
≥ 20000	38.1	51.2	52.9	54.0	54.2	54.6	55.0	55.2	55.2	55.4	55.6	55.6	55.7	55.7	55.7	55.9
≥ 18000	38.1	51.4	53.1	54.2	54.4	54.8	55.2	55.4	55.4	55.7	55.8	55.8	55.9	55.9	55.9	56.1
≥ 16000	38.1	51.4	53.1	54.2	54.4	54.8	55.2	55.4	55.4	55.7	55.8	55.8	55.9	55.9	55.9	56.1
≥ 14000	38.1	51.6	53.2	54.4	54.7	55.0	55.4	55.7	55.7	55.9	56.0	56.0	56.1	56.1	56.1	56.2
≥ 12000	38.7	52.7	54.4	55.7	55.9	56.2	56.7	56.9	56.9	57.1	57.2	57.2	57.3	57.3	57.3	57.4
≥ 10000	40.7	55.2	57.1	58.3	58.6	58.9	59.3	59.6	59.7	59.9	60.0	60.0	60.1	60.1	60.1	60.2
≥ 9000	41.2	56.3	58.2	59.4	59.7	60.0	60.4	60.7	60.8	61.0	61.1	61.1	61.2	61.2	61.2	61.3
≥ 8000	42.2	58.6	60.7	61.9	62.1	62.4	63.0	63.2	63.3	63.6	63.7	63.7	63.8	63.8	63.8	63.9
≥ 7000	43.1	59.7	62.0	63.4	63.7	64.0	64.8	65.0	65.1	65.3	65.4	65.4	65.6	65.6	65.6	65.7
≥ 6000	43.9	61.1	63.7	65.3	65.8	66.1	66.9	67.1	67.2	67.4	67.6	67.6	67.7	67.7	67.7	67.8
≥ 5000	45.4	63.3	66.0	67.7	68.1	68.4	69.2	69.4	69.6	69.8	69.9	69.9	70.0	70.0	70.0	70.1
≥ 4500	45.9	64.2	67.1	68.8	69.3	69.7	70.4	70.7	70.8	71.0	71.1	71.1	71.2	71.2	71.2	71.3
≥ 4000	47.4	66.7	69.8	71.4	72.0	72.3	73.2	73.6	73.7	73.9	74.0	74.0	74.1	74.1	74.1	74.2
≥ 3500	47.8	67.7	70.9	72.6	73.4	73.8	74.7	75.0	75.1	75.3	75.6	75.6	75.7	75.7	75.7	75.8
≥ 3000	48.0	69.0	72.2	74.2	75.1	75.4	76.6	76.9	77.3	77.2	77.4	77.4	77.6	77.6	77.6	77.7
≥ 2500	48.6	70.8	74.0	76.4	77.6	77.9	79.0	79.3	79.4	79.7	79.9	79.9	80.0	80.0	80.0	80.1
≥ 2000	50.0	73.7	76.9	79.4	80.8	81.1	82.2	82.6	82.7	82.9	83.1	83.1	83.2	83.2	83.2	83.3
≥ 1800	50.2	74.3	77.7	80.4	81.8	82.1	83.2	83.6	83.7	83.9	84.1	84.1	84.2	84.2	84.2	84.3
≥ 1500	50.8	76.0	79.7	82.4	83.8	84.2	85.3	85.7	85.8	86.0	86.2	86.2	86.3	86.3	86.3	86.4
≥ 1200	51.4	78.0	82.0	84.9	86.2	86.7	87.9	88.2	88.3	88.6	88.8	88.8	88.9	88.9	88.9	89.1
≥ 1000	51.8	79.0	83.0	85.9	87.6	88.0	89.2	89.6	89.7	89.9	90.1	90.1	90.2	90.2	90.2	90.3
≥ 900	51.9	79.7	83.8	86.7	88.6	89.0	90.2	90.6	90.8	91.0	91.2	91.3	91.4	91.4	91.4	91.6
≥ 800	52.3	80.7	85.0	87.9	89.8	90.3	91.6	92.0	92.2	92.4	92.7	92.8	92.9	92.9	92.9	93.0
≥ 700	52.8	81.2	85.7	88.9	91.6	92.7	93.9	94.4	94.7	94.9	95.1	95.2	95.3	95.3	95.3	95.4
≥ 600	52.8	81.4	85.9	89.3	92.2	93.6	94.9	95.4	95.7	95.9	96.1	96.2	96.3	96.3	96.3	96.4
≥ 500	52.8	81.6	86.1	89.8	92.7	94.1	95.6	96.1	96.3	96.7	96.9	97.0	97.1	97.1	97.1	97.2
≥ 400	52.8	81.7	86.2	89.9	92.9	94.4	96.0	96.8	97.1	97.6	97.9	98.0	98.1	98.1	98.1	98.2
≥ 300	52.8	81.7	86.2	89.9	92.9	94.7	96.3	97.2	97.6	98.2	98.8	99.1	99.4	99.4	99.6	99.8
≥ 200	52.8	81.7	86.2	89.9	92.9	94.7	96.3	97.2	97.6	98.2	98.8	99.1	99.4	99.6	99.8	100.0
≥ 100	52.8	81.7	86.2	89.9	92.9	94.7	96.3	97.2	97.6	98.2	98.8	99.1	99.4	99.6	99.8	100.0
≥ 0	52.8	81.7	86.2	89.9	92.9	94.7	96.3	97.2	97.6	98.2	98.8	99.1	99.4	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

129 6

ELLINGTON AFB TX

69,72-80

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	47.3	53.9	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 20000	51.6	58.9	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 18000	51.6	58.9	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 16000	51.6	58.9	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 14000	51.7	59.1	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 12000	52.8	60.4	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 10000	54.2	62.2	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 9000	54.4	62.8	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 8000	56.0	65.1	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 7000	57.9	67.7	68.6	68.7	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 6000	59.3	69.4	70.3	70.4	70.6	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 5000	60.2	71.0	71.9	72.0	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 4500	61.2	72.1	73.0	73.1	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 4000	62.6	74.3	75.3	75.7	75.9	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 3500	63.6	76.0	77.0	77.3	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 3000	65.1	79.2	80.2	80.6	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 2500	66.1	80.9	81.9	82.4	83.1	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 2000	68.3	84.3	85.6	86.1	87.0	87.1	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 1800	68.3	84.9	86.2	86.9	87.6	87.9	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 1500	69.2	87.1	88.6	89.2	90.1	90.2	90.2	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 1200	69.6	88.6	90.1	90.9	91.9	92.0	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 1000	69.8	88.9	90.6	91.6	92.6	92.7	92.8	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 900	69.9	89.6	91.2	92.2	93.3	93.4	93.6	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 800	69.9	89.7	91.6	93.0	94.3	94.4	94.6	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 700	69.9	89.8	91.8	93.6	95.3	96.2	96.4	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 600	69.9	89.9	92.0	93.8	95.9	96.8	97.1	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 500	69.9	89.9	92.1	93.9	96.7	97.7	98.3	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 400	69.9	89.9	92.1	93.9	96.7	97.7	98.6	99.1	99.3	99.7	99.7	99.7	99.8	99.8	99.8	99.8
IV 300	69.9	89.9	92.1	93.9	96.7	97.8	98.7	99.2	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9
IV 200	69.9	89.9	92.1	93.9	96.7	97.8	98.7	99.2	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0
IV 100	69.9	89.9	92.1	93.9	96.7	97.8	98.7	99.2	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0
IV 0	69.9	89.9	92.1	93.9	96.7	97.8	98.7	99.2	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69,72-80

NOV

STATION

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YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	50.7	57.1	57.2	57.3	57.4	57.4	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 20000	55.6	62.4	62.8	62.9	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 18000	55.6	62.4	62.8	62.9	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 16000	55.6	62.7	63.0	63.1	63.2	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 14000	56.2	63.4	63.8	63.9	64.0	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 12000	57.2	64.6	64.9	65.0	65.1	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 10000	58.1	66.2	66.6	66.8	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 9000	58.7	66.9	67.4	67.7	67.8	67.8	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 8000	59.0	67.9	68.4	68.7	68.8	68.8	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 7000	61.3	70.9	71.9	72.1	72.2	72.2	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 6000	63.6	73.2	74.3	74.7	75.0	75.1	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 5000	65.0	75.2	76.6	77.0	77.4	77.6	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 4500	66.3	76.8	78.1	78.6	79.0	79.1	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4000	67.2	78.1	79.6	80.0	80.6	80.7	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 3500	68.8	80.1	81.7	82.1	82.7	82.8	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 3000	69.4	81.8	83.6	84.2	84.8	84.9	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 2500	70.2	83.4	85.3	86.0	86.6	86.7	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 2000	71.7	85.7	87.7	88.4	89.1	89.2	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 1800	71.8	86.1	88.2	89.1	89.8	89.9	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 1500	72.4	87.4	89.6	90.4	91.1	91.3	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1200	72.4	88.1	90.3	91.3	92.0	92.2	92.6	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1000	72.9	90.3	92.7	93.8	94.6	94.8	95.2	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 900	73.0	90.6	92.9	94.1	94.9	95.1	95.6	96.0	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 800	73.1	90.7	93.2	94.4	95.6	95.8	96.2	96.7	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 700	73.0	90.8	93.3	94.6	95.8	96.1	96.7	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 600	73.0	91.0	93.8	95.0	96.2	96.6	97.1	97.6	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 500	73.0	91.0	93.9	95.4	97.1	97.4	98.2	98.7	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	73.0	91.0	93.9	95.6	97.3	97.9	98.8	99.3	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	73.0	91.0	93.9	95.6	97.3	97.9	98.8	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	73.0	91.0	93.9	95.6	97.3	97.9	98.8	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	73.0	91.0	93.9	95.6	97.3	97.9	98.8	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	73.0	91.0	93.9	95.6	97.3	97.9	98.8	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69,72-80

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	51.0	57.7	58.3	58.6	58.7	58.7	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 20000	54.9	62.3	62.8	63.2	63.3	63.3	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 18000	54.9	62.3	62.8	63.2	63.3	63.3	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 16000	55.1	62.5	63.1	63.4	63.5	63.5	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 14000	55.8	63.2	63.7	64.1	64.2	64.2	64.3	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 12000	56.8	64.2	64.7	65.1	65.2	65.2	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 10000	58.1	65.5	66.1	66.4	66.5	66.5	66.6	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IV 9000	58.3	66.0	66.6	67.0	67.1	67.1	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 8000	59.4	67.4	68.1	68.4	68.5	68.5	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 7000	61.0	69.0	70.4	70.8	70.9	70.9	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 6000	62.2	71.2	71.9	72.2	72.3	72.3	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 5000	65.5	74.6	75.2	75.6	75.7	75.7	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 4500	66.2	75.7	76.3	76.7	76.8	76.8	77.2	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 4000	67.4	77.5	78.2	78.7	78.8	78.8	79.2	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 3500	68.1	78.5	79.2	79.8	79.9	79.9	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 3000	68.3	80.5	81.3	81.8	81.9	81.9	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 2500	68.9	82.4	83.1	83.7	83.9	83.9	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 2000	70.4	85.7	86.6	87.4	87.6	87.6	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 1800	70.5	86.3	87.3	88.1	88.3	88.3	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 1500	70.8	87.2	88.3	89.1	89.3	89.3	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1200	72.0	89.4	90.5	91.3	91.5	91.5	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 1000	72.4	90.3	91.5	92.4	93.0	93.0	93.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 900	72.6	91.3	92.6	93.8	94.4	94.4	94.9	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 800	73.0	91.7	93.2	94.3	95.0	95.0	95.4	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 700	73.0	92.2	93.6	94.8	95.4	95.4	95.9	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 600	73.0	92.9	94.4	95.6	96.5	96.5	97.0	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 500	73.0	93.3	95.0	96.4	97.4	97.7	98.1	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 400	73.0	93.4	95.1	96.5	97.9	98.2	98.9	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	73.0	93.4	95.1	96.7	98.0	98.4	99.1	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	73.0	93.4	95.1	96.7	98.0	98.4	99.1	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
IV 100	73.0	93.4	95.1	96.7	98.0	98.4	99.1	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
IV 0	73.0	93.4	95.1	96.7	98.0	98.4	99.1	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 896

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12936

ELLINGTON AFB TX

69,72-80

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	48.7	54.7	55.5	56.5	56.9	57.1	57.4	57.4	57.4	57.6	57.9	58.0	58.3	58.5	58.6	59.2
≥ 20000	51.7	58.4	59.3	60.3	60.6	60.9	61.2	61.2	61.2	61.4	61.6	61.8	62.1	62.3	62.4	63.0
≥ 18000	51.7	58.4	59.3	60.3	60.6	60.9	61.2	61.2	61.2	61.4	61.6	61.8	62.1	62.3	62.4	63.0
≥ 16000	51.8	58.5	59.4	60.4	60.8	61.0	61.3	61.3	61.3	61.5	61.8	61.9	62.2	62.4	62.5	63.1
≥ 14000	52.4	59.1	60.0	61.0	61.3	61.5	61.9	61.9	61.9	62.1	62.3	62.4	62.8	63.0	63.1	63.7
≥ 12000	53.2	59.9	60.8	61.8	62.1	62.3	62.7	62.7	62.7	62.9	63.1	63.2	63.5	63.8	63.9	64.4
≥ 10000	54.7	61.0	62.5	63.5	63.9	64.1	64.4	64.4	64.4	64.7	64.9	65.0	65.3	65.6	65.7	66.2
≥ 9000	55.1	62.0	62.9	63.9	64.2	64.4	64.8	64.8	64.8	65.0	65.2	65.3	65.7	65.9	66.0	66.6
≥ 8000	56.1	63.3	64.3	65.3	65.7	65.9	66.2	66.2	66.2	66.4	66.7	66.8	67.1	67.3	67.4	68.0
≥ 7000	58.0	65.9	66.9	67.9	68.2	68.5	68.8	68.8	68.8	69.0	69.2	69.3	69.7	69.9	70.0	70.6
≥ 6000	60.1	68.1	69.1	70.1	70.5	70.7	71.2	71.3	71.3	71.6	71.8	71.9	72.2	72.5	72.6	73.1
≥ 5000	61.9	70.3	71.3	72.4	72.7	72.9	73.5	73.6	73.6	73.8	74.0	74.1	74.5	74.7	74.8	75.4
≥ 4500	61.9	70.9	71.9	72.9	73.2	73.5	74.1	74.2	74.2	74.5	74.7	74.8	75.1	75.4	75.5	76.0
≥ 4000	62.3	71.7	72.7	73.8	74.1	74.4	75.0	75.1	75.1	75.4	75.6	75.7	76.0	76.3	76.4	76.9
≥ 3500	63.2	72.9	73.9	75.0	75.4	75.6	76.3	76.4	76.4	76.6	76.8	76.9	77.4	77.6	77.7	78.3
≥ 3000	64.4	74.8	75.9	77.0	77.4	77.6	78.3	78.4	78.4	78.7	78.9	79.0	79.5	79.7	79.8	80.4
≥ 2500	65.4	77.0	78.1	79.3	79.6	79.8	80.5	80.6	80.6	80.9	81.2	81.3	81.7	81.9	82.1	82.6
≥ 2000	66.4	79.8	80.9	82.2	82.5	82.7	83.4	83.5	83.5	83.8	84.1	84.2	84.6	84.8	84.9	85.5
≥ 1800	66.6	80.4	81.5	82.7	83.1	83.3	83.9	84.1	84.1	84.4	84.6	84.7	85.2	85.4	85.5	86.1
≥ 1500	67.0	81.5	82.6	83.8	84.2	84.4	85.1	85.2	85.2	85.5	85.7	85.8	86.3	86.5	86.6	87.2
≥ 1200	68.1	83.7	85.1	86.4	86.7	87.0	87.6	87.7	87.7	88.1	88.3	88.4	88.9	89.1	89.3	89.9
≥ 1000	69.0	85.3	86.6	88.0	88.3	88.5	89.2	89.3	89.3	89.6	89.9	90.0	90.4	90.6	90.9	91.4
≥ 900	69.2	86.4	87.7	89.1	89.4	89.6	90.3	90.4	90.4	90.7	91.0	91.1	91.5	91.8	92.0	92.5
≥ 800	69.5	87.0	88.9	90.2	90.7	91.0	91.6	91.8	91.8	92.1	92.3	92.4	92.9	93.1	93.3	93.9
≥ 700	69.5	87.8	89.9	91.5	92.1	92.4	93.1	93.2	93.2	93.5	93.8	93.9	94.3	94.5	94.8	95.3
≥ 600	69.5	88.2	90.4	92.5	93.1	93.4	94.1	94.2	94.2	94.5	94.8	94.9	95.3	95.5	95.8	96.3
≥ 500	69.5	88.3	90.5	92.8	93.9	94.2	94.9	95.0	95.0	95.5	95.8	95.9	96.3	96.5	96.8	97.3
≥ 400	69.5	88.7	91.0	93.3	94.4	94.8	95.5	95.8	95.8	96.3	96.5	96.7	97.1	97.3	97.5	98.1
≥ 300	69.5	88.7	91.0	93.4	94.8	95.1	96.0	96.2	96.2	96.8	97.0	97.1	97.5	97.9	98.1	98.7
≥ 200	69.5	88.7	91.0	93.4	94.8	95.2	96.2	96.4	96.5	97.1	97.3	97.4	98.1	98.4	98.8	99.3
≥ 100	69.5	88.7	91.0	93.4	94.8	95.2	96.2	96.4	96.5	97.1	97.3	97.4	98.4	98.8	99.1	99.9
≥ 0	69.5	88.7	91.0	93.4	94.8	95.2	96.2	96.4	96.5	97.1	97.3	97.4	98.4	98.8	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 897

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

69,72-80

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	43.3	50.7	51.9	52.7	53.4	53.6	54.1	54.3	54.3	54.6	54.7	54.7	54.9	55.1	55.4	56.2
≥ 20000	46.2	54.3	55.6	56.5	57.2	57.4	57.9	58.1	58.2	58.4	58.6	58.6	58.8	59.0	59.3	60.1
≥ 18000	46.2	54.3	55.6	56.6	57.2	57.4	58.0	58.1	58.2	58.5	58.6	58.6	58.8	59.0	59.3	60.1
IV 16000	46.2	54.4	55.7	56.6	57.3	57.5	58.0	58.2	58.3	58.5	58.7	58.7	58.9	59.1	59.4	60.2
≥ 14000	46.6	54.9	56.1	57.1	57.8	57.9	58.5	58.7	58.7	59.0	59.1	59.2	59.4	59.5	59.9	60.7
IV 12000	47.3	55.8	57.1	58.1	58.8	59.0	59.6	59.7	59.8	60.0	60.2	60.2	60.4	60.6	61.0	61.8
≥ 10000	48.7	57.5	58.8	59.8	60.5	60.7	61.3	61.4	61.5	61.8	61.9	61.9	62.2	62.3	62.7	63.5
IV 9000	49.0	58.0	59.4	60.4	61.1	61.3	61.9	62.0	62.1	62.4	62.5	62.5	62.8	62.9	63.3	64.1
≥ 8000	50.0	59.6	61.2	62.2	62.9	63.1	63.7	63.8	63.9	64.2	64.3	64.3	64.6	64.7	65.1	65.9
IV 7000	51.7	61.9	63.6	64.6	65.4	65.6	66.3	66.4	66.5	66.8	67.0	67.0	67.2	67.4	67.8	68.6
≥ 6000	53.1	63.7	65.5	66.7	67.5	67.7	68.4	68.7	68.7	69.0	69.2	69.2	69.4	69.6	70.0	70.8
IV 5000	54.7	65.9	67.7	69.0	69.8	70.1	70.8	71.0	71.1	71.4	71.5	71.5	71.8	71.9	72.3	73.2
≥ 4500	55.4	66.9	68.8	70.1	71.0	71.2	71.9	72.2	72.3	72.5	72.7	72.7	72.9	73.1	73.5	74.4
IV 4000	56.5	68.6	70.6	72.0	72.9	73.1	73.8	74.1	74.2	74.5	74.6	74.6	74.9	75.1	75.5	76.3
≥ 3500	57.4	69.9	71.9	73.3	74.3	74.5	75.3	75.5	75.6	75.9	76.1	76.1	76.4	76.5	76.9	77.8
IV 3000	58.3	71.8	73.9	75.5	76.5	76.8	77.6	77.9	78.0	78.3	78.5	78.5	78.8	79.0	79.4	80.3
≥ 2500	59.3	73.7	76.0	77.6	78.7	79.0	79.8	80.1	80.2	80.6	80.7	80.8	81.1	81.3	81.7	82.5
IV 2000	60.6	76.7	78.5	80.2	81.5	81.7	82.6	82.9	83.0	83.3	83.5	83.6	83.9	84.0	84.5	85.3
≥ 1800	60.8	76.7	79.1	80.9	82.2	82.4	83.3	83.6	83.7	84.1	84.2	84.3	84.6	84.7	85.2	86.0
IV 1500	61.4	78.1	80.6	82.4	83.7	84.0	84.8	85.2	85.3	85.6	85.8	85.9	86.2	86.3	86.8	87.6
≥ 1200	62.0	79.7	82.4	84.4	85.7	86.0	86.9	87.2	87.3	87.7	87.9	88.0	88.3	88.5	88.9	89.8
IV 1000	62.4	80.8	83.6	85.7	87.1	87.4	88.3	88.7	88.9	89.3	89.4	89.5	89.8	90.0	90.5	91.3
≥ 900	62.7	81.7	84.5	86.7	88.2	88.5	89.4	89.8	90.0	90.4	90.6	90.6	91.0	91.2	91.6	92.5
IV 800	63.0	82.4	85.4	87.6	89.3	89.6	90.5	91.0	91.2	91.6	91.8	91.8	92.1	92.3	92.8	93.6
≥ 700	63.1	83.0	86.1	88.4	90.3	90.8	91.8	92.2	92.4	92.8	93.0	93.1	93.4	93.6	94.0	94.9
IV 600	63.1	83.5	86.8	89.3	91.3	91.8	92.8	93.3	93.5	93.9	94.1	94.1	94.5	94.7	95.1	96.0
≥ 500	63.1	83.9	87.2	89.9	92.2	92.8	93.8	94.3	94.5	95.1	95.3	95.4	95.7	95.9	96.3	97.2
IV 400	63.1	84.1	87.5	90.3	92.7	93.3	94.5	95.1	95.4	96.0	96.2	96.3	96.6	96.8	97.3	98.1
≥ 300	63.1	84.1	87.5	90.4	92.8	93.5	94.8	95.4	95.7	96.3	96.6	96.6	97.0	97.2	97.7	98.5
IV 200	63.1	84.1	87.5	90.4	92.8	93.6	94.9	95.6	95.9	96.6	96.9	97.1	97.5	97.7	98.2	99.2
≥ 100	63.1	84.1	87.5	90.4	92.8	93.8	94.9	95.6	95.9	96.6	97.0	97.1	97.6	97.9	98.6	99.8
IV 0	63.1	84.1	87.5	90.4	92.8	93.6	94.9	95.6	95.9	96.6	97.0	97.1	97.6	97.9	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 7193

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

68-69, 72-79

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	43.9	49.2	49.7	50.3	50.9	51.0	51.3	51.5	51.6	51.9	52.3	52.3	52.5	52.5	52.9	53.5
≥ 20000	46.6	52.5	52.9	53.5	54.1	54.2	54.5	54.8	54.9	55.5	55.8	55.8	56.0	56.0	56.5	57.2
≥ 18000	46.6	52.5	52.9	53.5	54.1	54.2	54.5	54.8	54.9	55.5	55.8	55.8	56.0	56.0	56.5	57.2
≥ 16000	46.6	52.5	52.9	53.5	54.1	54.2	54.5	54.8	54.9	55.5	55.8	55.8	56.0	56.0	56.5	57.2
≥ 14000	46.9	52.9	53.5	54.2	54.7	54.8	55.2	55.5	55.6	56.1	56.5	56.5	56.7	56.7	57.1	57.8
≥ 12000	47.3	53.7	54.3	54.9	55.5	55.6	55.9	56.2	56.3	56.9	57.2	57.2	57.4	57.4	57.8	58.6
≥ 10000	48.3	54.7	55.4	56.0	56.6	56.7	57.0	57.3	57.4	58.0	58.3	58.3	58.5	58.5	58.9	59.7
≥ 9000	48.6	55.2	55.8	56.5	57.0	57.1	57.4	57.7	57.8	58.4	58.7	58.7	58.9	58.9	59.4	60.1
≥ 8000	50.1	56.8	57.4	58.2	58.7	58.8	59.1	59.5	59.6	60.1	60.4	60.4	60.6	60.6	61.1	61.8
≥ 7000	51.0	58.0	58.7	59.6	60.1	60.2	60.5	60.9	61.0	61.5	61.8	61.8	62.0	62.0	62.5	63.2
≥ 6000	52.9	59.9	60.8	61.7	62.3	62.4	62.7	63.0	63.1	63.7	64.0	64.0	64.2	64.2	64.6	65.4
≥ 5000	55.1	62.7	63.5	64.5	65.1	65.2	65.5	65.8	65.9	66.5	66.8	66.8	67.0	67.0	67.4	68.2
≥ 4500	55.7	63.7	64.5	65.5	66.0	66.1	66.5	66.8	66.9	67.4	67.7	67.7	68.0	68.0	68.4	69.1
≥ 4000	57.0	65.8	66.7	67.6	68.2	68.3	68.6	68.9	69.0	69.6	69.9	69.9	70.1	70.1	70.5	71.3
≥ 3500	59.0	68.0	68.8	69.8	70.3	70.4	70.8	71.1	71.2	71.7	72.0	72.0	72.3	72.3	72.7	73.4
≥ 3000	60.5	70.1	71.3	72.3	72.9	73.0	73.4	73.8	73.9	74.4	74.7	74.7	74.9	74.9	75.4	76.1
≥ 2500	61.4	71.1	72.3	73.3	74.1	74.2	74.6	74.9	75.1	75.6	75.9	75.9	76.2	76.2	76.8	77.5
≥ 2000	63.0	73.3	74.5	75.6	76.3	76.5	76.9	77.2	77.3	77.8	78.2	78.2	78.5	78.5	79.0	79.8
≥ 1800	63.0	73.7	74.8	76.0	76.8	76.9	77.3	77.6	77.7	78.3	78.6	78.6	78.9	78.9	79.5	80.2
≥ 1500	63.7	75.2	76.6	77.7	78.5	78.6	79.0	79.4	79.6	80.1	80.4	80.4	80.8	80.8	81.3	82.0
≥ 1200	64.2	76.0	77.4	78.7	79.5	79.6	80.0	80.3	80.5	81.1	81.4	81.4	81.7	81.7	82.3	83.0
≥ 1000	64.6	77.0	78.4	79.9	80.6	80.8	81.2	81.5	81.7	82.3	82.6	82.6	83.0	83.0	83.5	84.3
≥ 900	65.1	78.3	79.7	81.3	82.0	82.2	82.6	82.9	83.1	83.7	84.0	84.0	84.4	84.4	84.9	85.7
≥ 800	65.3	78.6	80.2	81.8	82.6	82.7	83.1	83.4	83.7	84.2	84.5	84.5	84.9	84.9	85.5	86.2
≥ 700	65.7	79.6	81.2	83.1	84.2	84.3	84.7	85.1	85.3	85.8	86.1	86.1	86.6	86.6	87.1	88.0
≥ 600	66.2	80.4	82.4	84.3	85.5	85.6	86.0	86.3	86.6	87.1	87.4	87.4	87.8	87.8	88.4	89.2
≥ 500	66.3	81.4	83.3	85.6	87.0	87.2	87.6	88.1	88.3	88.8	89.1	89.2	89.7	89.7	90.2	91.1
≥ 400	66.3	82.5	84.6	87.0	88.7	89.0	89.5	89.9	90.1	90.6	91.0	91.2	91.6	91.6	92.2	93.0
≥ 300	66.3	82.5	84.6	87.2	89.2	89.7	90.1	90.9	91.1	91.9	92.4	92.6	93.2	93.2	94.0	95.1
≥ 200	66.3	82.5	84.6	87.3	89.5	90.0	90.5	91.5	91.8	92.7	93.4	93.7	94.3	94.5	95.6	97.0
≥ 100	66.3	82.5	84.6	87.3	89.5	90.0	90.5	91.6	92.0	92.9	94.2	94.4	95.3	95.7	97.0	98.9
≥ 0	66.3	82.5	84.6	87.3	89.5	90.0	90.5	91.6	92.0	92.9	94.2	94.4	95.3	95.7	97.1	100.0

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC

FORM
JUL 64

0-14-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

68-69,72-79

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/32	≥ 0
NO CEILING	41.6	47.0	48.0	48.6	49.5	49.6	49.7	49.9	49.9	50.4	50.8	50.8	51.1	51.4	52.2	53.4
≥ 20000	43.2	49.4	50.3	51.0	51.8	51.9	52.0	52.3	52.3	52.9	53.2	53.2	53.5	53.9	54.6	55.9
≥ 18000	43.2	49.4	50.3	51.0	51.8	51.9	52.0	52.3	52.3	52.9	53.2	53.2	53.5	53.9	54.6	55.9
≥ 16000	43.2	49.4	50.3	51.0	51.8	51.9	52.0	52.3	52.3	52.9	53.2	53.2	53.5	53.9	54.6	55.9
≥ 14000	43.2	49.4	50.3	51.0	51.8	51.9	52.0	52.3	52.3	52.9	53.2	53.2	53.5	53.9	54.6	55.9
≥ 12000	43.3	49.8	50.9	51.5	52.4	52.5	52.6	52.8	52.8	53.4	53.8	53.8	54.1	54.4	55.2	56.5
≥ 10000	44.3	50.9	52.0	52.7	53.5	53.7	53.8	54.0	54.0	54.6	55.1	55.1	55.4	55.7	56.5	57.8
≥ 9000	44.7	51.3	52.5	53.1	54.0	54.1	54.2	54.4	54.4	55.1	55.5	55.5	55.8	56.1	56.9	58.3
≥ 8000	46.1	52.8	54.0	54.6	55.5	55.6	55.7	55.9	55.9	56.6	57.0	57.0	57.3	57.6	58.4	59.8
≥ 7000	47.4	54.5	55.7	56.6	57.4	57.5	57.6	57.8	57.8	58.5	58.9	58.9	59.2	59.6	60.3	61.7
≥ 6000	49.6	56.7	57.8	58.7	59.6	59.7	59.8	60.0	60.0	60.6	61.1	61.1	61.4	61.7	62.5	63.9
≥ 5000	51.0	59.6	60.9	61.8	62.7	62.8	62.9	63.1	63.1	63.8	64.2	64.2	64.5	64.8	65.6	67.2
≥ 4500	51.8	60.4	61.8	63.0	64.0	64.1	64.2	64.4	64.4	65.1	65.5	65.5	65.8	66.1	66.9	68.5
≥ 4000	53.3	62.9	64.5	65.7	66.7	66.8	66.9	67.1	67.1	67.7	68.2	68.3	68.6	68.9	69.7	71.3
≥ 3500	54.8	64.9	66.6	67.8	68.8	68.9	69.0	69.2	69.2	69.9	70.3	70.4	70.8	71.2	71.9	73.5
≥ 3000	56.8	67.3	69.1	70.3	71.4	71.5	71.7	71.9	71.9	72.6	73.0	73.1	73.4	73.9	74.6	76.2
≥ 2500	57.1	68.1	69.8	71.1	72.2	72.3	72.5	72.7	72.7	73.3	73.8	73.9	74.2	74.6	75.4	77.0
≥ 2000	58.0	69.8	71.6	72.9	74.1	74.2	74.4	74.6	74.6	75.3	75.7	75.8	76.1	76.7	77.4	79.0
≥ 1800	58.3	70.5	72.4	73.7	74.8	74.9	75.2	75.4	75.4	76.0	76.5	76.6	76.9	77.4	78.2	79.8
≥ 1500	59.2	72.5	74.3	75.7	76.9	77.0	77.2	77.5	77.5	78.2	78.6	78.7	79.0	79.6	80.3	81.9
≥ 1200	60.2	74.1	75.9	77.3	78.5	78.6	78.8	79.2	79.2	79.9	80.3	80.4	80.8	81.3	82.0	83.7
≥ 1000	60.9	75.8	77.7	79.4	80.6	80.8	81.0	81.4	81.4	82.0	82.5	82.6	82.9	83.4	84.3	85.9
≥ 900	61.2	76.3	78.3	79.9	81.2	81.3	81.5	81.9	81.9	82.6	83.0	83.1	83.4	84.0	84.8	86.5
≥ 800	61.3	76.6	78.7	80.3	81.6	81.7	81.9	82.4	82.5	83.1	83.5	83.7	84.0	84.5	85.4	87.0
≥ 700	61.3	77.2	79.4	81.2	82.5	82.6	82.8	83.2	83.3	84.0	84.4	84.5	84.8	85.4	86.2	87.8
≥ 600	61.4	77.6	80.1	82.0	83.3	83.5	83.8	84.2	84.3	85.1	85.5	85.6	85.9	86.5	87.3	88.9
≥ 500	61.4	78.0	80.8	83.1	84.7	85.1	85.4	85.8	85.9	86.7	87.1	87.2	87.5	88.1	88.9	90.5
≥ 400	61.4	78.1	81.2	84.0	86.0	86.3	86.7	87.3	87.4	88.3	88.7	88.8	89.1	89.7	90.5	92.3
≥ 300	61.4	78.6	82.0	84.9	87.2	87.6	88.3	89.0	89.1	90.1	90.6	90.8	91.2	91.9	92.9	94.6
≥ 200	61.4	78.6	82.3	85.3	87.5	88.1	88.8	89.7	89.8	91.5	92.5	92.6	93.2	94.1	95.5	97.5
≥ 100	61.4	78.6	82.3	85.3	87.5	88.1	88.8	89.7	89.9	91.6	92.9	93.0	93.7	94.5	96.0	98.6
≥ 0	61.4	78.6	82.3	85.3	87.5	88.1	88.8	89.7	89.9	91.6	92.9	93.0	93.7	94.5	96.1	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12-76

ELLINGTON AFB TX

68-69,72-79

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	32.2	39.1	40.4	42.3	43.2	43.5	43.9	44.6	44.7	45.1	45.7	45.8	46.2	46.7	47.2	48.3
≥ 20000	34.6	42.8	44.3	46.5	47.5	47.8	48.3	49.1	49.2	49.6	50.2	50.3	50.8	51.2	51.7	52.8
≥ 18000	34.7	42.9	44.4	46.6	47.6	48.0	48.4	49.2	49.4	49.7	50.3	50.4	50.9	51.3	51.8	52.9
≥ 16000	34.7	42.9	44.4	46.6	47.6	48.0	48.4	49.2	49.4	49.7	50.3	50.4	50.9	51.3	51.8	52.9
≥ 14000	34.7	42.9	44.4	46.6	47.6	48.0	48.4	49.2	49.4	49.7	50.3	50.4	50.9	51.3	51.8	52.9
≥ 12000	35.2	43.5	45.3	47.4	48.5	48.8	49.2	50.1	50.2	50.5	51.2	51.3	51.7	52.2	52.7	53.8
≥ 10000	36.8	45.7	47.4	49.8	51.0	51.3	51.7	52.6	52.7	53.0	53.7	53.8	54.2	54.6	55.3	56.5
≥ 9000	37.4	46.5	48.2	50.5	51.7	52.0	52.5	53.3	53.4	53.8	54.4	54.5	54.9	55.4	56.0	57.2
≥ 8000	37.5	46.7	48.4	50.8	51.9	52.3	52.7	53.5	53.7	54.0	54.7	54.8	55.3	55.7	56.3	57.5
≥ 7000	38.8	48.3	50.0	52.4	53.5	53.9	54.4	55.3	55.4	55.7	56.5	56.6	57.0	57.4	58.1	59.2
≥ 6000	40.4	50.4	52.3	54.6	55.8	56.1	56.7	57.5	57.6	58.0	58.7	58.8	59.2	59.7	60.3	61.5
≥ 5000	41.6	52.5	54.5	57.1	58.3	58.6	59.1	60.0	60.1	60.4	61.2	61.3	61.7	62.2	62.8	64.0
≥ 4500	42.3	53.3	55.5	58.4	59.7	60.0	60.5	61.4	61.5	61.8	62.6	62.7	63.1	63.5	64.2	65.4
≥ 4000	43.3	55.4	57.5	60.4	61.7	62.0	62.6	63.4	63.5	63.9	64.6	64.7	65.2	65.6	66.2	67.5
≥ 3500	44.6	57.2	59.4	62.5	64.0	64.3	64.8	65.7	65.8	66.1	66.9	67.0	67.4	67.8	68.5	69.8
≥ 3000	46.2	60.2	62.5	65.9	67.4	67.8	68.4	69.2	69.4	69.7	70.4	70.6	71.1	71.5	72.2	73.4
≥ 2500	46.7	61.7	64.3	67.7	69.5	69.9	70.4	71.3	71.4	71.7	72.5	72.7	73.1	73.5	74.2	75.5
≥ 2000	47.5	63.3	66.0	69.7	71.5	72.0	72.7	73.5	73.7	74.0	74.8	75.1	75.5	75.9	76.6	77.8
≥ 1800	47.8	63.9	66.6	70.2	72.0	72.6	73.3	74.2	74.3	74.6	75.5	75.7	76.1	76.6	77.3	78.6
≥ 1500	48.8	65.6	68.6	72.4	74.2	74.8	75.6	76.5	76.6	76.9	77.8	78.1	78.5	78.9	79.7	81.2
≥ 1200	49.0	66.3	69.5	73.3	75.3	75.9	76.7	77.5	77.6	78.0	78.9	79.1	79.6	80.0	80.8	82.3
≥ 1000	49.8	67.5	70.8	74.7	76.7	77.3	78.1	78.9	79.0	79.4	80.3	80.5	81.0	81.4	82.3	83.8
≥ 900	49.9	67.7	71.1	75.3	77.3	78.0	78.8	79.7	79.9	80.2	81.2	81.4	81.8	82.3	83.1	84.6
≥ 800	49.9	67.8	71.4	75.6	77.8	78.5	79.6	80.4	80.8	81.1	82.0	82.3	82.7	83.1	84.0	85.5
≥ 700	49.9	68.1	71.7	76.1	78.5	79.4	80.5	81.7	82.0	82.4	83.3	83.7	84.1	84.5	85.4	86.9
≥ 600	50.1	68.7	72.8	77.3	79.9	80.8	82.0	83.4	83.8	84.1	85.1	85.5	85.9	86.3	87.2	88.8
≥ 500	50.1	69.0	73.2	78.8	82.0	83.1	84.9	86.3	86.8	87.1	88.1	88.5	88.9	89.5	90.4	92.0
≥ 400	50.1	69.1	73.4	79.1	82.6	83.7	85.8	87.3	87.8	88.2	89.1	89.6	90.0	90.5	91.5	93.1
≥ 300	50.1	69.1	73.5	79.4	83.0	84.2	86.7	88.5	89.0	89.7	90.9	91.3	91.7	92.3	93.3	95.1
≥ 200	50.1	69.1	73.5	79.5	83.1	84.3	86.9	88.9	89.5	90.4	91.9	92.5	93.1	93.9	94.9	96.9
≥ 100	50.1	69.1	73.5	79.5	83.1	84.3	86.9	88.9	89.5	90.4	92.0	92.6	93.3	94.2	95.9	98.8
≥ 0	50.1	69.1	73.5	79.5	83.1	84.3	86.9	88.9	89.5	90.4	92.0	92.6	93.3	94.2	95.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

10906

ELLINGTON AFB TX

68-69,72-79

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	33.9	41.3	42.0	42.7	43.4	43.5	43.9	43.9	43.9	44.2	44.3	44.3	44.3	44.4	44.6	44.6
≥ 20000	37.7	47.5	48.5	49.2	50.2	50.3	50.9	50.9	50.9	51.2	51.3	51.3	51.3	51.4	51.6	51.6
IV 18000	37.7	47.5	48.5	49.2	50.2	50.3	50.9	50.9	50.9	51.2	51.3	51.3	51.3	51.4	51.6	51.6
IV 16000	37.8	47.6	48.6	49.6	50.5	50.6	51.2	51.2	51.2	51.5	51.6	51.6	51.6	51.7	51.9	51.9
IV 14000	38.1	48.1	49.0	49.8	50.8	50.9	51.4	51.4	51.4	51.7	51.8	51.8	51.8	51.9	52.2	52.2
IV 12000	39.1	50.1	51.3	52.0	53.0	53.1	53.7	53.7	53.7	54.0	54.1	54.1	54.1	54.2	54.4	54.4
IV 10000	40.1	51.7	53.0	53.9	54.8	54.9	55.6	55.6	55.6	55.9	56.0	56.0	56.0	56.1	56.3	56.3
IV 9000	41.2	52.8	54.1	54.9	55.9	56.0	56.7	56.7	56.7	57.0	57.1	57.1	57.1	57.2	57.4	57.4
IV 8000	41.5	53.5	54.9	55.8	56.8	56.9	57.6	57.6	57.6	58.0	58.1	58.1	58.1	58.2	58.4	58.4
IV 7000	42.7	55.2	56.8	57.6	58.6	58.7	59.6	59.7	59.7	60.0	60.1	60.1	60.1	60.2	60.4	60.4
IV 6000	44.3	57.3	58.9	59.8	60.8	60.9	61.7	61.8	61.8	62.2	62.3	62.3	62.3	62.4	62.6	62.6
IV 5000	46.5	60.3	62.2	63.0	64.0	64.1	64.9	65.1	65.1	65.4	65.5	65.5	65.5	65.6	65.8	65.8
IV 4500	48.1	63.1	65.1	66.0	67.0	67.1	68.0	68.1	68.1	68.4	68.5	68.5	68.5	68.6	68.8	68.8
IV 4000	49.3	64.9	67.0	68.0	68.9	69.0	69.9	70.1	70.1	70.4	70.5	70.5	70.5	70.6	70.9	70.9
IV 3500	49.8	66.1	68.2	69.1	70.1	70.3	71.2	71.5	71.5	71.8	71.9	71.9	71.9	72.0	72.3	72.3
IV 3000	51.4	68.9	71.2	72.3	73.4	73.9	74.7	75.1	75.1	75.4	75.5	75.5	75.5	75.6	75.8	75.8
IV 2500	52.2	70.9	73.1	74.2	75.4	75.9	76.8	77.1	77.1	77.4	77.5	77.5	77.5	77.6	77.8	77.8
IV 2000	53.1	73.2	75.6	76.7	78.0	78.5	79.4	79.7	79.7	80.1	80.2	80.2	80.2	80.3	80.5	80.5
IV 1800	53.2	73.4	75.9	77.1	78.4	78.9	79.8	80.1	80.1	80.5	80.6	80.6	80.6	80.8	81.0	81.0
IV 1500	53.4	74.6	77.1	78.7	80.0	80.5	81.5	81.8	81.8	82.3	82.4	82.4	82.4	82.5	82.7	82.7
IV 1200	54.0	76.1	78.9	80.5	81.9	82.5	83.4	83.8	83.8	84.2	84.3	84.3	84.3	84.4	84.6	84.6
IV 1000	54.4	77.5	80.5	82.3	83.7	84.2	85.3	85.7	85.7	86.2	86.3	86.3	86.3	86.5	86.7	86.7
IV 900	54.6	77.8	80.9	82.6	84.0	84.5	85.6	86.0	86.0	86.6	86.7	86.7	86.7	86.8	87.0	87.0
IV 800	54.6	78.2	81.3	83.1	84.6	85.3	86.5	86.9	86.9	87.4	87.5	87.5	87.5	87.6	87.8	87.8
IV 700	54.6	79.1	82.5	84.3	86.1	87.0	88.4	89.0	89.0	89.6	89.8	89.8	89.8	90.0	90.2	90.2
IV 600	54.7	79.4	82.7	84.7	86.6	87.5	88.9	90.0	90.0	90.6	91.0	91.0	91.0	91.2	91.4	91.5
IV 500	54.7	79.7	83.3	85.8	88.4	89.5	91.3	92.6	92.6	93.3	93.7	93.7	93.7	93.9	94.1	94.2
IV 400	54.7	79.8	83.4	85.9	88.8	90.0	92.8	94.4	94.5	95.3	95.6	95.6	95.7	95.9	96.2	96.3
IV 300	54.7	79.8	83.4	86.0	89.0	90.3	93.2	95.2	95.3	96.3	96.9	96.9	97.2	97.4	98.0	98.1
IV 200	54.7	79.8	83.4	86.0	89.0	90.3	93.4	95.5	95.6	96.7	97.3	97.3	98.0	98.3	98.9	99.1
IV 100	54.7	79.8	83.4	86.0	89.0	90.3	93.4	95.5	95.6	96.7	97.4	97.4	98.1	98.5	99.1	99.9
IV 0	54.7	79.8	83.4	86.0	89.0	90.3	93.4	95.5	95.6	96.7	97.4	97.4	98.1	98.5	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12/66

ELLINGTON AFB TX

68-69, 72-79

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	42.3	45.2	45.2	45.3	45.4	45.4	45.5	45.5	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 20000	47.4	51.2	51.3	51.4	51.5	51.5	51.6	51.6	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 18000	47.4	51.2	51.3	51.4	51.5	51.5	51.6	51.6	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 16000	47.4	51.5	51.6	51.7	51.8	51.8	51.9	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 14000	48.0	52.0	52.2	52.3	52.4	52.4	52.5	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 12000	48.9	53.5	53.9	54.0	54.1	54.1	54.2	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 10000	51.0	56.0	56.3	56.5	56.6	56.6	56.7	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 9000	51.3	56.3	56.7	56.8	56.9	56.9	57.0	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 8000	53.5	59.0	59.4	59.5	59.6	59.6	59.7	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 7000	54.4	60.0	60.3	60.4	60.6	60.6	60.8	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 6000	56.6	62.5	62.8	62.9	63.1	63.1	63.2	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 5000	59.7	65.8	66.1	66.3	66.6	66.6	66.7	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 4500	61.3	68.1	68.6	68.8	69.0	69.0	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 4000	63.9	71.5	72.2	72.4	72.6	72.6	72.8	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 3500	65.7	73.9	74.5	74.7	74.9	74.9	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 3000	67.7	76.0	76.9	77.1	77.4	77.4	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 2500	68.2	77.8	78.7	78.9	79.2	79.2	79.5	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 2000	69.4	80.3	81.3	81.6	81.9	81.9	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 1800	69.7	80.9	81.9	82.3	82.7	82.7	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1500	71.0	82.9	84.0	84.7	85.4	85.4	85.6	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 1200	71.3	84.2	85.4	86.8	87.6	87.6	87.8	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1000	71.5	85.7	86.9	88.3	89.1	89.1	89.4	89.4	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 900	71.5	85.7	87.0	88.7	89.6	89.9	90.1	90.1	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 800	71.7	86.2	87.5	89.2	90.2	90.6	90.9	90.9	90.9	91.2	91.3	91.3	91.3	91.3	91.3	91.3
≥ 700	71.9	86.7	88.1	90.0	91.1	91.7	92.2	92.2	92.2	92.5	92.8	92.8	92.8	92.9	92.9	92.9
≥ 600	71.9	86.9	88.3	90.4	91.7	92.5	93.2	93.3	93.3	93.8	94.1	94.1	94.2	94.2	94.4	94.4
≥ 500	71.9	87.5	89.1	91.6	93.1	94.0	95.3	95.5	95.5	95.9	96.3	96.3	96.5	96.5	96.7	96.7
≥ 400	71.9	87.5	89.1	91.7	93.3	94.4	96.3	96.7	96.8	97.4	98.1	98.1	98.3	98.3	98.5	98.5
≥ 300	71.9	87.5	89.1	91.7	93.3	94.4	96.3	96.8	96.9	97.6	98.5	98.6	99.1	99.1	99.4	99.4
≥ 200	71.9	87.5	89.1	91.7	93.3	94.4	96.3	96.9	97.1	97.8	98.7	99.1	99.7	99.8	100.0	100.0
≥ 100	71.9	87.5	89.1	91.7	93.3	94.4	96.3	96.9	97.1	97.8	98.7	99.1	99.7	99.8	100.0	100.0
≥ 0	71.9	87.5	89.1	91.7	93.3	94.4	96.3	96.9	97.1	97.8	98.7	99.1	99.7	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

10526

ELLINGTON AFB TX

68-69,72-79

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	45.5	48.1	48.1	48.2	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	46.4
≥ 20000	51.4	54.9	54.9	55.1	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 18000	51.4	54.9	54.9	55.1	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 16000	51.5	55.1	55.1	55.2	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 14000	51.8	55.4	55.4	55.5	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 12000	53.2	57.0	57.0	57.1	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 10000	55.7	60.2	60.2	60.3	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 9000	55.9	60.3	60.4	60.5	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 8000	58.4	62.9	63.1	63.2	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 7000	59.1	63.8	64.0	64.1	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 6000	61.1	65.9	66.1	66.2	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 5000	63.8	68.8	69.0	69.1	69.2	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 4500	65.4	71.1	71.3	71.5	71.7	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 4000	67.7	74.9	75.2	75.4	75.6	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 3500	69.2	76.6	76.8	77.0	77.2	77.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 3000	70.0	78.7	78.9	79.4	79.7	79.8	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 2500	70.9	80.3	80.5	81.3	81.8	81.9	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 2000	71.0	81.9	82.4	83.3	84.1	84.2	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1800	71.4	82.6	83.1	84.1	84.8	84.9	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1500	72.2	83.9	84.5	85.7	86.6	86.8	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 1200	72.8	84.9	85.9	87.2	88.2	88.6	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 1000	72.8	85.4	86.8	88.2	89.4	89.8	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 900	72.9	85.8	87.2	88.7	90.0	90.5	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 800	73.0	86.2	87.7	89.5	91.0	91.6	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 700	73.0	86.6	88.3	90.1	91.6	92.3	93.1	93.1	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 600	73.1	87.1	88.9	91.1	92.7	93.4	94.4	94.4	94.5	94.7	94.8	94.9	94.9	94.9	94.9	94.9
≥ 500	73.1	87.4	89.7	92.9	94.8	95.7	97.0	97.1	97.2	97.5	97.7	98.0	98.0	98.0	98.0	98.0
≥ 400	73.1	87.4	89.7	92.9	95.1	96.0	97.3	97.5	97.6	98.1	98.3	98.5	98.6	98.6	98.6	98.6
≥ 300	73.1	87.4	89.7	92.9	95.1	96.1	97.5	98.0	98.1	98.6	98.8	99.0	99.5	99.5	99.7	99.7
≥ 200	73.1	87.4	89.7	92.9	95.1	96.1	97.5	98.0	98.1	98.6	98.9	99.2	99.7	99.8	100.0	100.0
≥ 100	73.1	87.4	89.7	92.9	95.1	96.1	97.5	98.0	98.1	98.6	98.9	99.2	99.7	99.8	100.0	100.0
≥ 0	73.1	87.4	89.7	92.9	95.1	96.1	97.5	98.0	98.1	98.6	98.9	99.2	99.7	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

10976

ELLINGTON AFB TX

68-69, 72-79

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY: STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	47.7	51.1	51.1	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.5	51.5	51.5	51.5	51.5	51.5
≥ 20000	51.4	55.5	55.7	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2
≥ 18000	51.4	55.5	55.7	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2
IV 18000	51.4	55.5	55.7	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2
≥ 14000	52.1	56.1	56.3	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.9	56.9	56.9	56.9	56.9	56.9
IV 14000	53.7	57.7	58.0	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5
≥ 10000	55.4	59.6	59.8	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3
IV 10000	55.8	60.0	60.2	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.8	60.8	60.8	60.8	60.8	60.8
≥ 7000	57.7	62.3	62.6	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1
IV 7000	58.9	63.4	63.9	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4
≥ 6000	60.9	65.6	66.0	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6
IV 6000	62.5	67.6	68.1	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7
≥ 4500	64.4	70.0	70.5	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2
IV 4500	66.9	72.8	73.3	73.9	74.0	74.1	74.1	74.1	74.1	74.1	74.2	74.3	74.3	74.3	74.3	74.3
≥ 3500	68.7	74.7	75.3	75.8	76.0	76.1	76.1	76.1	76.1	76.1	76.2	76.3	76.3	76.3	76.3	76.3
IV 3500	69.8	77.3	78.1	78.6	78.8	78.9	79.0	79.0	79.0	79.0	79.1	79.2	79.2	79.2	79.2	79.2
≥ 2500	71.8	78.7	79.7	80.2	80.4	80.5	80.6	80.6	80.6	80.6	80.8	80.9	80.9	80.9	80.9	80.9
IV 2500	71.3	79.5	80.8	81.5	81.7	81.8	81.9	81.9	81.9	81.9	82.2	82.3	82.3	82.3	82.3	82.3
≥ 1800	71.6	79.9	81.2	81.9	82.2	82.3	82.4	82.4	82.4	82.4	82.6	82.7	82.7	82.7	82.7	82.7
IV 1800	71.9	80.6	82.0	82.8	83.0	83.1	83.2	83.2	83.2	83.2	83.4	83.5	83.5	83.5	83.5	83.5
≥ 1200	72.7	82.2	84.0	84.7	85.1	85.2	85.3	85.3	85.3	85.3	85.5	85.7	85.7	85.7	85.7	85.7
IV 1200	73.1	83.4	85.3	86.0	86.3	86.5	86.7	86.7	86.7	86.7	86.9	87.1	87.1	87.1	87.1	87.1
≥ 900	73.6	84.5	86.5	87.4	87.7	87.8	88.1	88.1	88.1	88.1	88.3	88.5	88.5	88.5	88.5	88.5
IV 900	73.9	85.1	87.2	88.3	88.7	88.8	89.1	89.2	89.2	89.2	89.5	89.7	89.7	89.8	89.8	89.8
≥ 700	74.0	85.9	87.7	89.0	89.6	89.8	90.1	90.3	90.3	90.3	90.5	90.8	90.8	91.0	91.0	91.0
IV 700	74.1	86.6	89.1	90.6	91.3	91.6	92.3	92.5	92.5	92.5	92.7	92.9	92.9	93.1	93.1	93.1
≥ 500	74.1	87.2	89.8	91.8	92.6	93.2	94.2	94.4	94.4	94.4	94.6	94.8	94.8	95.1	95.1	95.1
IV 500	74.1	87.6	90.5	92.9	93.9	94.7	95.8	96.0	96.0	96.0	96.3	96.6	96.6	96.8	96.8	96.8
≥ 400	74.1	87.6	90.5	92.9	93.9	94.7	95.8	96.0	96.0	96.0	96.3	96.6	96.6	96.8	96.8	96.8
IV 400	74.1	87.6	90.5	92.9	93.9	94.7	95.8	96.0	96.0	96.0	96.3	96.6	96.6	96.8	96.8	96.8
≥ 300	74.1	87.6	90.5	92.9	93.9	94.7	95.8	96.0	96.0	96.0	96.3	96.6	96.6	96.8	96.8	96.8
IV 300	74.1	87.6	90.5	92.9	93.9	94.7	95.8	96.0	96.0	96.0	96.3	96.6	96.6	96.8	96.8	96.8
≥ 200	74.1	87.6	90.5	92.9	93.9	94.7	95.8	96.0	96.0	96.0	96.3	96.6	96.6	96.8	96.8	96.8
IV 200	74.1	87.6	90.5	92.9	93.9	94.7	95.8	96.0	96.0	96.0	96.3	96.6	96.6	96.8	96.8	96.8
≥ 100	74.1	87.6	90.5	92.9	93.9	94.7	95.8	96.0	96.0	96.0	96.3	96.6	96.6	96.8	96.8	96.8
IV 100	74.1	87.6	90.5	92.9	93.9	94.7	95.8	96.0	96.0	96.0	96.3	96.6	96.6	96.8	96.8	96.8
IV 0	74.1	87.6	90.5	92.9	93.9	94.7	95.8	96.0	96.0	96.0	96.3	96.6	96.6	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS

931

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAL

CEILING VERSUS VISIBILITY

1775 ELLINGTON AFB TX

66-69,72-79

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L.S.T.)

ELEVATION FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NOT DEFINED ≥ 2000	46.7	51.9	52.9	52.9	53.2	53.3	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.7	54.5
≥ 1800 ≥ 1700	48.9	53.9	54.9	55.3	55.6	55.8	55.8	55.8	55.9	55.9	55.9	55.9	55.9	55.9	56.1	57.1
≥ 1600 ≥ 1500	48.9	54.3	54.9	55.4	55.7	55.9	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.2	57.2
≥ 1400 ≥ 1300	49.6	54.6	55.6	56.0	56.3	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.9	57.8
≥ 1200 ≥ 1100	50.6	55.9	56.9	57.3	57.6	57.8	57.8	57.8	58.0	58.0	58.0	58.0	58.0	58.0	58.2	59.1
≥ 1000 ≥ 900	51.9	57.1	58.2	58.6	58.9	59.1	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.5	60.4
≥ 800 ≥ 700	52.4	57.6	58.7	59.1	59.5	59.7	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	60.0	61.0
≥ 600 ≥ 500	54.6	59.9	61.1	61.4	61.7	61.9	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.3	63.2
≥ 450 ≥ 400	56.1	61.5	62.6	63.0	63.3	63.5	63.5	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.9	64.8
≥ 350 ≥ 300	57.8	63.4	64.5	64.9	65.3	65.5	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.8	66.8
≥ 250 ≥ 200	60.4	66.0	67.1	67.5	67.8	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.4	69.4
≥ 180 ≥ 150	61.3	67.0	68.1	68.5	68.8	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.4	70.3
≥ 120 ≥ 100	63.4	69.4	70.4	70.9	71.2	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.7	72.7
≥ 90 ≥ 80	64.7	71.0	72.0	72.5	72.8	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.3	74.3
≥ 70 ≥ 60	66.0	73.4	74.7	75.3	75.8	76.1	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.6	77.5
≥ 50 ≥ 40	66.9	74.6	76.2	76.8	77.4	77.7	77.8	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.2	79.1
≥ 30 ≥ 20	67.8	76.1	77.7	78.3	79.0	79.4	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.8	80.8
≥ 15 ≥ 10	68.1	76.5	78.1	78.6	79.4	79.7	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	80.1	81.1
≥ 10 ≥ 8	68.7	77.4	79.0	79.7	80.4	80.8	80.9	80.9	81.0	81.1	81.1	81.1	81.1	81.1	81.3	82.3
≥ 8 ≥ 6	68.8	77.6	79.5	80.1	80.9	81.2	81.3	81.3	81.4	81.5	81.5	81.5	81.5	81.5	81.7	82.7
≥ 6 ≥ 4	69.2	78.6	80.5	81.3	82.0	82.4	82.5	82.5	82.6	82.7	82.7	82.7	82.7	82.7	82.9	83.9
≥ 4 ≥ 3	69.4	78.9	81.0	81.8	82.6	83.1	83.2	83.2	83.3	83.4	83.4	83.4	83.4	83.4	83.7	84.6
≥ 3 ≥ 2	69.5	79.6	81.7	82.8	83.8	84.1	84.2	84.2	84.3	84.4	84.4	84.4	84.4	84.4	84.6	85.6
≥ 2 ≥ 1	70.2	80.9	83.2	84.5	85.5	85.9	86.0	86.0	86.1	86.2	86.2	86.2	86.2	86.2	86.5	87.4
≥ 1 ≥ 0	70.2	81.9	84.6	86.0	87.0	87.5	87.7	87.7	87.8	88.0	88.0	88.0	88.0	88.0	88.2	89.1
≥ 0	70.2	82.8	85.7	87.5	88.8	89.4	89.8	89.8	90.0	90.2	90.2	90.2	90.2	90.2	90.4	91.4
≥ 0	70.2	83.2	86.5	88.9	90.5	91.2	92.2	92.2	92.4	92.6	92.6	92.6	92.6	92.7	92.9	93.9
≥ 0	70.2	83.3	86.6	89.7	91.3	92.0	93.2	93.2	93.4	93.7	94.0	94.0	94.0	94.2	94.6	95.1
≥ 0	70.2	83.3	86.7	89.9	91.5	92.4	93.5	93.5	94.0	94.2	94.5	94.5	94.5	94.8	95.1	96.0
≥ 0	70.2	83.3	86.7	89.9	91.5	92.4	93.9	94.1	94.3	94.7	95.9	96.0	96.0	96.3	97.0	97.8
≥ 0	70.2	83.3	86.7	89.9	91.5	92.4	93.9	94.1	94.3	94.7	95.9	96.0	96.0	96.3	97.0	97.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1996

ELLINGTON AFB TX

68-69,72-79

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	41.7	46.6	47.1	47.7	48.2	48.3	48.4	48.6	48.6	48.8	49.0	49.0	49.1	49.3	49.5	50.3
≥ 20000	45.1	51.0	51.6	52.3	52.8	52.9	53.1	53.2	53.3	53.5	53.7	53.7	53.8	54.0	54.2	54.7
≥ 18000	45.2	51.0	51.6	52.3	52.8	52.9	53.1	53.3	53.3	53.5	53.7	53.8	53.9	54.0	54.2	54.8
IV 16000	45.2	51.1	51.7	52.4	52.9	53.0	53.2	53.4	53.4	53.6	53.8	53.8	54.0	54.1	54.3	54.9
IV 14000	45.3	51.4	52.1	52.8	53.3	53.4	53.6	53.8	53.8	54.0	54.2	54.2	54.4	54.5	54.7	55.2
IV 12000	46.4	52.7	53.4	54.1	54.6	54.7	54.9	55.1	55.1	55.3	55.5	55.6	55.7	55.8	56.0	56.6
IV 10000	47.9	54.5	55.3	56.0	56.5	56.6	56.8	57.0	57.0	57.3	57.5	57.5	57.6	57.8	58.0	58.5
IV 9000	48.4	55.0	55.8	56.5	57.0	57.2	57.4	57.5	57.6	57.8	58.0	58.0	58.1	58.3	58.5	59.1
IV 8000	49.9	56.7	57.6	58.3	58.8	58.9	59.2	59.3	59.4	59.6	59.8	59.8	60.0	60.1	60.3	60.9
IV 7000	51.1	58.1	59.0	59.7	60.3	60.4	60.6	60.8	60.9	61.1	61.3	61.3	61.5	61.6	61.8	62.4
IV 6000	52.9	60.2	61.2	61.9	62.4	62.6	62.8	63.0	63.0	63.3	63.5	63.5	63.6	63.8	64.0	64.6
IV 5000	55.1	62.9	63.9	64.7	65.3	65.4	65.7	65.8	65.9	66.1	66.3	66.3	66.4	66.5	66.6	67.4
IV 4500	56.3	64.6	65.7	66.6	67.2	67.3	67.5	67.7	67.8	68.0	68.2	68.2	68.4	68.5	68.8	69.3
IV 4000	58.1	67.2	68.3	69.3	69.9	70.0	70.3	70.5	70.5	70.8	71.0	71.0	71.1	71.3	71.5	72.1
IV 3500	59.8	69.0	70.2	71.2	71.8	71.9	72.2	72.4	72.5	72.7	72.9	73.0	73.1	73.2	73.5	74.1
IV 3000	61.3	71.5	72.8	73.9	74.6	74.8	75.2	75.4	75.4	75.7	75.9	75.9	76.1	76.2	76.5	77.0
IV 2500	61.7	72.9	74.3	75.4	76.3	76.5	76.8	77.0	77.1	77.3	77.6	77.6	77.7	77.9	78.1	78.7
IV 2000	62.6	74.7	76.2	77.4	78.3	78.6	79.0	79.2	79.2	79.5	79.8	79.8	79.9	80.1	80.4	80.9
IV 1800	62.9	75.2	76.7	78.0	78.9	79.1	79.5	79.8	79.8	80.1	80.3	80.4	80.5	80.7	80.9	81.5
IV 1500	63.6	76.6	78.3	79.7	80.6	80.9	81.3	81.5	81.6	81.9	82.2	82.2	82.3	82.5	82.8	83.4
IV 1200	64.1	77.7	79.6	81.1	82.1	82.4	82.8	83.1	83.4	83.7	83.7	83.7	83.9	84.0	84.3	84.9
IV 1000	64.5	78.9	80.9	82.5	83.6	83.8	84.3	84.6	84.6	85.0	85.2	85.3	85.4	85.6	85.9	86.5
IV 900	64.8	79.4	81.4	83.2	84.3	84.7	85.1	85.4	85.5	85.8	86.1	86.1	86.3	86.4	86.7	87.3
IV 800	64.9	79.8	82.0	83.8	85.0	85.4	86.7	86.2	86.3	86.7	86.9	87.0	87.2	87.3	87.6	88.2
IV 700	65.1	80.4	82.8	84.8	86.1	86.6	87.2	87.6	87.7	88.0	88.3	88.4	88.6	88.8	89.1	89.7
IV 600	65.2	81.1	83.6	85.8	87.2	87.8	88.5	89.0	89.1	89.5	89.8	89.9	90.1	90.3	90.6	91.3
IV 500	65.2	81.6	84.4	87.2	88.9	89.6	90.7	91.2	91.3	91.8	92.1	92.2	92.4	92.6	93.0	93.6
IV 400	65.2	81.9	84.8	87.8	89.9	90.7	92.0	92.7	92.8	93.3	93.7	93.9	94.1	94.3	94.7	95.3
IV 300	65.2	82.0	85.0	88.1	90.3	91.2	92.7	93.5	93.7	94.4	95.0	95.1	95.5	95.7	96.3	97.0
IV 200	65.2	82.0	85.0	88.2	90.4	91.4	93.0	93.9	94.1	95.0	95.9	96.1	96.6	97.0	97.7	98.5
IV 100	65.2	82.0	85.0	88.2	90.4	91.4	93.0	93.9	94.2	95.1	96.1	96.3	96.9	97.3	98.2	99.5
IV 0	65.2	82.0	85.0	88.2	90.4	91.4	93.0	93.9	94.2	95.1	96.1	96.3	96.9	97.3	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS

7440

USAF ETAC

FORM
JUL 64

0-14-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12906

ELLINGTON AFB TX

68-70,72-80

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	42.6	51.0	52.2	53.2	54.0	54.1	54.5	54.7	54.7	54.9	55.0	55.0	55.1	55.2	55.3	55.7
≥ 20000	47.9	57.9	59.3	60.4	61.2	61.5	61.8	62.0	62.1	62.3	62.4	62.4	62.5	62.6	62.7	63.1
≥ 18000	48.0	58.0	59.4	60.5	61.4	61.6	62.0	62.2	62.2	62.4	62.5	62.6	62.7	62.7	62.9	63.2
≥ 16000	48.3	58.3	59.5	60.6	61.4	61.6	62.0	62.2	62.3	62.5	62.6	62.6	62.7	62.8	62.9	63.3
≥ 14000	48.4	58.6	60.0	61.1	62.0	62.2	62.6	62.8	62.9	63.1	63.2	63.2	63.3	63.4	63.5	63.9
≥ 12000	49.6	60.1	61.6	62.7	63.6	63.8	64.2	64.4	64.5	64.7	64.8	64.8	64.9	65.0	65.1	65.5
≥ 10000	51.8	63.0	64.5	65.7	66.6	66.9	67.3	67.5	67.6	67.8	67.9	67.9	68.0	68.1	68.2	68.6
≥ 9000	52.2	63.5	65.1	66.3	67.3	67.5	67.9	68.1	68.2	68.4	68.5	68.5	68.6	68.7	68.9	69.2
≥ 8000	53.4	65.2	66.8	68.1	69.1	69.4	69.8	70.0	70.1	70.3	70.4	70.5	70.6	70.6	70.8	71.1
≥ 7000	54.2	66.4	68.0	69.3	70.4	70.6	71.1	71.3	71.4	71.6	71.7	71.7	71.8	71.9	72.1	72.4
≥ 6000	55.0	67.4	69.1	70.4	71.5	71.8	72.2	72.5	72.5	72.7	72.9	72.9	73.0	73.1	73.2	73.6
≥ 5000	56.1	68.9	70.7	72.0	73.1	73.4	73.9	74.1	74.2	74.4	74.5	74.5	74.6	74.7	74.9	75.2
≥ 4500	56.6	69.7	71.4	72.9	73.9	74.2	74.7	74.9	75.0	75.2	75.3	75.4	75.5	75.6	75.7	76.1
≥ 4000	57.6	71.2	73.0	74.5	75.6	75.9	76.4	76.6	76.7	76.9	77.0	77.1	77.2	77.3	77.4	77.8
≥ 3500	58.3	72.2	74.1	75.6	76.8	77.1	77.6	77.9	77.9	78.1	78.3	78.3	78.4	78.5	78.6	79.0
≥ 3000	59.2	73.9	75.9	77.4	78.7	79.0	79.5	79.8	79.9	80.1	80.2	80.2	80.3	80.4	80.6	81.0
≥ 2500	60.1	75.4	77.4	79.1	80.4	80.7	81.2	81.5	81.6	81.8	82.0	82.0	82.1	82.2	82.3	82.7
≥ 2000	61.2	77.4	79.5	81.3	82.7	83.0	83.6	83.9	84.0	84.2	84.3	84.4	84.5	84.6	84.7	85.1
≥ 1800	61.6	78.0	80.2	82.0	83.4	83.7	84.3	84.6	84.7	84.9	85.0	85.1	85.2	85.3	85.4	85.8
≥ 1500	62.3	79.5	81.8	83.7	85.1	85.5	86.1	86.4	86.5	86.7	86.9	86.9	87.0	87.1	87.3	87.6
≥ 1200	62.9	81.2	83.6	85.7	87.2	87.6	88.2	88.5	88.6	88.9	89.0	89.1	89.2	89.3	89.4	89.8
≥ 1000	63.3	82.2	84.8	87.0	88.6	89.0	89.6	90.0	90.1	90.4	90.5	90.6	90.7	90.8	90.9	91.3
≥ 900	63.5	82.9	85.6	87.8	89.5	89.9	90.6	91.0	91.1	91.4	91.5	91.5	91.6	91.7	91.9	92.3
≥ 800	63.6	83.5	86.3	88.6	90.4	90.9	91.6	91.9	92.0	92.3	92.5	92.5	92.6	92.7	92.9	93.3
≥ 700	63.7	84.1	87.1	89.5	91.3	91.8	92.6	93.0	93.1	93.4	93.6	93.6	93.7	93.8	94.0	94.4
≥ 600	63.8	84.6	87.6	90.2	92.1	92.7	93.5	93.9	94.1	94.4	94.5	94.6	94.7	94.8	95.0	95.4
≥ 500	63.9	85.0	88.2	90.9	93.1	93.7	94.6	95.1	95.2	95.6	95.8	95.8	96.0	96.1	96.3	96.7
≥ 400	63.9	85.2	88.5	91.3	93.6	94.3	95.4	96.0	96.1	96.6	96.8	96.8	97.0	97.1	97.3	97.7
≥ 300	63.9	85.3	88.6	91.5	93.9	94.6	95.8	96.4	96.6	97.1	97.4	97.5	97.7	97.8	98.0	98.5
≥ 200	63.9	85.3	88.6	91.6	93.9	94.6	95.9	96.6	96.8	97.4	97.7	97.8	98.1	98.3	98.6	99.2
≥ 100	63.9	85.3	88.6	91.6	93.9	94.7	95.9	96.6	96.8	97.5	97.8	97.9	98.3	98.6	98.9	99.7
≥ 0	63.9	85.3	88.6	91.6	93.9	94.7	95.9	96.6	96.8	97.5	97.8	98.0	98.3	98.6	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 87625

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

TOTAL SKY COVER

FOR AIRWAYS STATIONS THE SYMBOLS OF CLEAR, SCATTERED,
BROKEN, OVERCAST, & O.SCURED WERE USED AS INPUT FOR THE
TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

O.SCURED WAS CONVERTED TO 10/10

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

12906 ELLINGTON AFB TX

69-70,73-80

JAN

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	00-02	23.4			12.6						10.1	54.0	6.7	915
	03-05	21.7			8.6						10.1	59.5	7.1	907
	06-08	13.3			12.8						12.6	61.4	7.6	916
	09-11	10.4			14.3						19.7	55.6	7.8	927
	12-14	11.9			18.6						19.8	49.7	7.3	928
	15-17	10.1			24.9						18.8	46.1	7.1	930
	18-20	15.1			21.0						13.5	50.4	6.9	930
	21-23	22.2			12.9						12.2	52.8	6.8	925
TOTALS		16.0			15.7						14.6	53.7	7.2	7378

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

12906 ELLINGTON AFB TX

69-70,73-80

FEB

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
FEB	00-02	27.5			16.0						13.9	42.6	6.0	819
	03-05	29.4			11.6						12.6	46.4	6.1	810
	06-08	21.5			14.5						16.0	48.0	6.7	820
	09-11	18.5			15.9						21.5	44.1	6.8	842
	12-14	14.2			23.9						22.8	39.1	6.7	846
	15-17	16.1			23.3						22.6	38.1	6.5	846
	18-20	23.5			19.2						19.7	37.7	6.1	844
	21-23	32.7			13.8						13.4	40.2	5.6	836
TOTALS		22.9			17.3						17.8	42.0	6.3	6663

USAFETAC

FORM
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

2

SKY COVER

MAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAR	00-02	23.9			11.4						13.8	50.9	6.7	925
	03-05	21.1			12.2						12.7	54.0	6.9	920
	06-08	12.5			15.1						15.8	56.5	7.5	925
	09-11	11.5			14.2						20.6	53.7	7.7	925
	12-14	10.5			18.4						22.4	48.7	7.4	927
	15-17	11.3			20.2						21.1	47.4	7.2	930
	18-20	15.6			18.6						19.9	45.9	6.9	930
	21-23	22.3			14.2						15.0	48.4	6.6	927
TOTALS		16.1			15.5						17.7	50.7	7.1	7409

USAFETAC **FORM** **0-9-5 (OL A)** **PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.**
JUL 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

12906 ELLINGTON AFB TX

69-70,73-80

APR

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
APR	00-02	26.1			13.4						16.0	44.6	6.3	890
	03-05	22.6			14.8						15.8	46.8	6.6	878
	06-08	12.8			20.7						21.2	45.3	7.1	888
	09-11	11.8			21.3						25.1	41.7	7.1	896
	12-14	9.0			26.1						25.4	39.5	7.0	897
	15-17	10.9			26.8						23.2	39.0	6.8	899
	18-20	16.9			22.7						21.9	38.6	6.5	900
	21-23	24.5			17.4						14.7	43.4	6.2	897
TOTALS		16.8			20.4						20.4	42.4	6.7	7145

SKY COVER

MAY

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAY	00-02	29.7			23.1						19.0	28.2	5.2	928
	03-05	24.6			26.7						20.2	28.6	5.5	923
	06-08	10.4			28.6						29.3	31.7	6.7	925
	09-11	7.8			32.0						34.2	26.0	6.6	927
	12-14	5.6			35.5						35.5	23.4	6.6	930
	15-17	6.5			38.3						32.2	23.1	6.4	930
	18-20	12.3			37.0						26.2	24.5	5.9	929
	21-23	26.5			28.6						20.5	24.4	5.1	930
TOTALS		15.4			31.2						27.1	26.2	6.0	7422

JUN

JUN

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUN	00-02	37.7			34.0						16.0	12.3	3.7	896
	03-05	26.1			43.8						16.1	14.0	4.2	894
	06-08	13.7			45.6						23.9	16.8	5.2	891
	09-11	7.1			46.0						29.6	17.3	5.8	898
	12-14	4.2			47.8						30.6	17.4	5.9	898
	15-17	4.1			55.2						23.9	16.8	5.5	900
	18-20	16.1			48.2						21.6	14.1	4.8	899
	21-23	37.0			36.8						15.7	10.5	3.6	892
TOTALS		18.3			44.7						22.2	14.9	4.8	7168

SKY COVER

JUL

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUL	00-02	32.6			34.8						17.9	14.6	4.1	925
	03-05	24.6			44.6						18.2	12.6	4.2	928
	06-08	6.2			50.5						30.3	13.1	5.5	925
	09-11	2.0			48.6						35.3	14.0	6.0	928
	12-14	.5			44.8						36.1	18.5	6.4	930
	15-17	.8			42.0						37.4	19.8	6.6	930
	18-20	9.3			37.0						33.0	20.7	6.2	927
	21-23	27.7			36.2						23.0	13.1	4.5	925
TOTALS		13.0			42.3						28.9	15.8	5.4	7418

USAFETAC **FORM** **0-9-5 (OL A)** **PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.**
JUL 64

SKY COVER

AUG

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
AUG	00-02	30.3			44.1						17.3	8.3	3.7	927
	03-05	25.9			45.8						19.9	8.4	4.0	919
	06-08	6.6			57.8						26.6	9.1	5.0	914
	09-11	3.8			45.3						38.8	12.1	6.1	927
	12-14	1.7			36.0						46.0	16.2	6.8	930
	15-17	1.3			36.7						44.4	17.6	6.9	923
	18-20	6.7			40.7						35.1	17.5	6.1	924
	21-23	24.1			45.2						21.3	9.4	4.2	929
TOTALS		12.6			44.0						31.2	12.3	5.4	7393

FORM 0-9-5 (OL A)
JUN 64

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

SEP

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
SEP	00-02	30.6			36.1						15.8	17.5	4.3	890
	03-05	27.2			37.8						17.4	17.6	4.5	883
	06-08	11.0			44.8						25.8	18.4	5.5	881
	09-11	10.3			45.0						27.6	17.2	5.5	896
	12-14	6.8			40.0						34.7	18.6	6.2	900
	15-17	7.3			38.8						34.5	19.4	6.2	899
	18-20	17.9			34.4						26.6	21.1	5.5	899
	21-23	30.1			33.7						18.1	18.1	4.5	895
TOTALS		17.7			38.8						25.1	18.5	5.3	7143

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SKY (

69,72-87

STATION

STATION NAME

PERIOD

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTH: SKY COV.	
		0	1	2	3	4	5	6	7	8	9		10
OCT	00-02	48.8			21.3						12.6	17.3	3.
	03-05	45.8			22.2						13.6	18.3	3.
	06-08	22.5			37.2						20.4	19.9	4.
	09-11	19.0			38.8						23.8	18.4	5.
	12-14	15.6			41.3						25.3	17.8	5.
	15-17	19.5			40.2						22.9	17.4	5.
	18-20	32.1			31.5						18.6	17.8	4.
	21-23	43.5			25.5						15.0	16.0	3.
TOTALS		30.9			32.3						19.0	17.9	4.

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SKY COVER

NOV

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
NOV	00-02	36.2			16.8						17.0	30.0	5.0	861
	03-05	35.4			16.4						14.8	33.4	5.2	862
	06-08	23.0			24.0						19.2	33.8	5.8	874
	09-11	18.1			30.2						21.4	30.2	5.9	896
	12-14	16.0			33.6						24.0	26.4	5.8	900
	15-17	18.4			32.6						23.2	25.8	5.7	899
	18-20	30.6			23.3						17.7	28.3	5.1	896
	21-23	38.8			16.9						13.5	30.8	4.8	887
TOTALS		27.1			24.2						18.9	29.8	5.4	7075

SKY COVER

DEC

MONTE

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9	10		
DEC	00-02	33.4			16.7						13.5	36.4	5.4	917
	03-05	35.0			14.7						15.2	35.1	5.3	906
	06-08	21.2			21.5						19.8	37.5	6.2	912
	09-11	16.9			21.1						24.2	37.8	6.6	929
	12-14	16.4			22.6						22.6	38.4	6.6	928
	15-17	17.6			22.3						23.1	37.0	6.4	930
	18-20	25.9			19.8						17.9	36.4	5.8	927
	21-23	33.9			16.4						13.2	36.5	5.3	921
TOTALS		25.0			19.4						18.7	36.9	6.0	7370

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

12906 ELLINGTON AFB TX

68-70,72-80

ALL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	16.0			15.7						14.6	53.7	7.2	7378
FEB		22.9			17.3						17.8	42.0	6.3	6663
MAR		16.1			15.5						17.7	50.7	7.1	7409
APR		16.8			20.4						20.4	42.4	6.7	7145
MAY		15.4			31.2						27.1	26.2	6.0	7422
JUN		18.3			44.7						22.2	14.9	4.8	7168
JUL		13.0			42.3						28.9	15.8	5.4	7418
AUG		12.6			44.0						31.2	12.3	5.4	7393
SEP		17.7			38.8						25.1	18.5	5.3	7143
OCT		30.9			32.3						19.0	17.9	4.5	7266
NOV		27.1			24.2						18.9	29.8	5.4	7075
DEC		25.0			19.4						18.7	36.9	6.0	7370
TOTALS		19.3			28.8						21.8	30.1	5.8	86850

USAFETAC

FORM
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperatures
 - b. Daily minimum temperatures
 - c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
 - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
 - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

ALBUQUERQUE BRANCH

STATION

WEATHER SERVICE / MAC

ELLINGTON AFB TX

STATION

STATION NAME

41-46, 50-80

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
1							1.2	1.6	.2				.3
2					.4	7.1	22.3	22.9	4.4				4.9
3			.1	.6	9.7	56.0	75.4	72.7	38.2	4.9			21.7
4		.3	1.8	7.8	49.6	89.3	95.2	94.3	77.0	33.9	4.4		78.2
5	2.6	5.4	14.8	41.0	65.2	97.8	99.0	99.1	92.4	64.4	25.8	3.7	92.6
6	15.7	2.2	37.9	74.2	96.0	99.9	100.0	99.9	98.2	84.8	43.4	18.0	96.0
7	33.2	38.6	61.6	91.2	99.3			100.0	99.7	93.8	61.9	36.3	76.6
8	46.5	56.9	79.5	97.6	100.0	100.0			100.0	97.0	75.9	54.4	84.2
9	60.3	71.4	89.4	99.5						99.4	86.5	70.4	89.8
10	73.6	84.7	94.9	99.9						99.8	93.6	83.2	94.2
11	84.5	91.8	98.3	100.0						100.0	97.7	92.7	97.1
12	90.9	97.1	99.7								99.5	97.8	99.7
13	96.9	99.1	99.9								100.0	99.4	99.6
14	99.0	99.3	100.0									100.0	99.9
15	99.7	99.9											100.0
16	100.0	100.0											100.0
17													
18													
19													
20													
21													
22													
23													
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97													
98													
99													
100													
MEAN	62.1	65.2	70.9	77.6	84.0	89.4	91.6	91.5	87.4	81.9	71.2	64.8	79.1
S.D.	1.634	1.205	1.435	1.658	1.598	1.938	1.933	1.046	1.970	1.591	1.579	1.695	1.861
TOTAL OBS.	1108	997	1065	1049	1085	1049	1115	1111	1080	1115	1050	1085	12930

FEDERAL CLIMATOLOGY BRANCH
 WAFB

DAILY TEMPERATURES

WEATHER SERVICE/MAC
 1 ALLINGTON AFB TX
 STATION STATION NAME

41-46, 50-80

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
50						1.0	.8	1.0	.3				.3
51					6.9	33.7	56.3	54.5	24.2	2.0	.3		15.3
52	.2	.2	2.3	15.4	35.5	81.2	97.5	96.5	67.2	15.0	2.8	.2	34.9
53	3.4	3.5	11.8	36.9	71.8	96.4	99.6	99.6	87.3	34.1	10.6	2.9	46.9
54	1.5	1.4	26.1	57.8	89.1	99.2	100.0	99.9	95.8	55.6	23.9	9.3	56.6
55	13.4	21.6	43.3	77.5	96.9	100.0		100.0	99.4	74.9	39.0	19.9	66.2
56	31.3	37.5	63.5	90.6	99.6				99.8	89.3	54.6	33.6	75.2
57	43.5	37.1	79.2	96.9	100.0				100.0	97.3	73.4	51.1	83.5
58	62.9	75.7	91.0	99.7						99.6	68.3	71.5	91.8
59	81.1	89.8	97.2	100.0						100.0	96.8	88.5	96.0
60	84.6	93.1	98.2								97.9	92.1	97.2
61	91.2	96.4	99.6								99.3	96.7	98.6
62	97.3	99.6	99.9								99.9	99.5	99.7
63	99.6	99.8	100.0								100.0	99.9	99.9
64	100.0	100.0										100.0	100.0
65													
66													
67													
68													
69													
70													
71													
72													
73													
74													
75													
76													
77													
78													
79													
80													
MEAN	44.0	46.6	52.6	60.7	66.9	72.5	74.7	74.4	70.6	60.4	51.4	45.6	57.0
S. D.	9.32	9.726	9.491	7.897	5.577	3.801	2.378	2.519	5.231	5.245	9.285	9.647	13.597
TOTAL OBS.	10	997	1045	1049	1085	1049	1115	1111	1060	1111	1050	1085	1093

FEDERAL CLIMATOLOGY BRANCH
 AFAC
 WEATHER SERVICE / AFAC
 1
 STATION NAME ELLINGTON AFB TX

DAILY TEMPERATURES

41-46, 51-81

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
10					.2	13.1	34.4	33.1	5.6				7.4
11				1.3	19.1	74.3	92.5	89.6	56.4	8.7	.4		8.9
12		.5	.7	4.3	22.8	65.9	95.6	99.3	99.5	85.7	32.9	7.0	43.3
13		5.4	7.8	19.1	52.5	89.4	99.6	100.0	100.0	96.4	61.2	22.6	5.5
14	16.2	21.8	42.1	79.1	98.2	100.0			99.1	81.2	39.7	17.6	56.5
15	33.4	37.4	64.4	92.2	99.9				99.9	93.7	58.6	32.9	76.1
16	44.9	50.1	80.2	95.8	100.0				100.0	98.5	75.9	52.9	94.1
17	63.8	75.6	91.4	99.7						99.7	89.6	73.8	91.2
18	78.2	89.0	97.5	100.0						100.0	96.1	89.7	95.9
19	87.4	95.9	99.6								99.6	96.0	95.4
20	90.2	99.3	99.9								100.0	99.3	99.6
21	93.9	99.8	100.0									100.0	99.9
22	99.7												100.0
23	100.0	100.0											100.0
24													
25													
26													
27													
28													
29													
30													
31													
32													
33													
34													
35													
36													
37													
38													
39													
40													
MEAN	53.2	50.1	62.0	69.3	75.6	81.2	83.3	83.1	79.2	70.0	61.5	55.4	69.2
S.D.	.577	9.246	8.311	6.13	4.436	3.345	2.038	2.778	4.436	6.774	9.064	8.888	12.867
TOTAL OBS.	1156	997	1095	1049	1085	1049	1115	1111	1080	1116	1050	1085	12930

USAFETAC FORM 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CELEST CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

105 0 ELLINGTON AFB TX

41-46, 51-81

STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
41							96	97	94	97	83	77	
42	77	78	88	84	91	97	97	96	95	92	85	82	97
43	82	81	85	87	92	97	103	97	95	87	86	79	107
44	74	81	83	92	90	96	100	100	97	90	83	80	100
45	74	80	87	99	90	94	97	100	93	90	87	77	* 100
46	77	78											
50	* 81	81	84	85	89*	94	95	95	95	90	89	84	96
51	80	79	88	85	92	94	101	100	97	95	86	83	101
52	82	91	82*	83	88	95	95	98	97	96	82	80	98
53	79	80	86	93	91	97	95	98	97	91	79	91	95
54	77	87	84	87	89	98	104	100	97	94	81	81	104
55	79	79	86	91	95	96	98	98	95	92	89	82	98
56	81	82	86	97	92	98	100	98	100	94	85	83	100
57	82	85	84	83	89	93	101	100	95	87	86	77	101
58	73	76	81	89	95	99	99	101	93	86	85	81	101
59	70	79	93	89	94	96	95	96	93	89	84	74	96
60	75	75	82	84	90	97	97	93	92	97	84	79	97
61	73	80	82	84	90	92	93	94	91	89	84	77	99
62	77	86	81	90	87	90	95	103	94	95	85	77	103
63	74	79	83	91	90	96	95	99	101	89	87	79	101
64	73	74	77	88	92	97	98	98	96	91	83	81	93
65	83	78	86	87	89	94*	98	96	94	88	86	75	* 99
66	76	71	83	85	91	92	97	93	93	90	81	81	97
67	81	77	84	87	92	96	99	96	90	88	85	78	99
68	76	76	79	84	89	92	91	96	90	80	83	73	96
69	83	79	77	85	90	96	98	99	93	90		77	
70	79	76	76	87	87	94	97	95	92	88	81	80	97
71	81	81	86	87	88	94	96	92	93	90	85	79	96
72	82	80	85	88	91	95	94	94	95	90	85	81	95
73	74	74	80	87	95	94	96	94	91	89	87	79	95
MEAN													
S.D.													
TOTAL OBS.													

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

* (AT LEAST ONE DAY LESS THAN 24 OBS)

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

1. TO ELLINGTON AFB TX
STATION STATION

42-46, 5-3

YEARS

440°F DEGREES FAHRENHEIT

[illegible]

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)
JUL 64

(AT LEAST ONE DAY LESS THAN 24 CBS)

USAF CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

1943 ELLINGTON AFB TX

41-46, 5-8

STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
41							72	68	67	61	36	31	
42	28	33	34	43	55	67	73	72	45	50	36	36	28
43	21	32	22	49	60	70	70	72	61	40	30	29	21
44	26	31	38	44	51	71	71	70	63	46	34	28	26
45	33	32	43	40	45	58	70*	69	56	40	34	26	26
46	51*	38											
51	*	44	37	35	43	61*	64	69	66	60	53	24	17
51	20	25	31	40	59	65	74	72	62	51	29	27	15
52	33	35	34	44	53	65	70	67	58	40	36	26	26
53	27	36	41	44	54	69	73	71	56	5	39	27*	27
54	26	33	35	46	46	62	73	73	57	40	39	23	26
55	26	25	32	51	62	59	73	73	66	44	32	26	25
56	23	33	31	43	61	66	73	67	61	51	32	25	31
57	17	39	35	46	54	64	73	71	60	37	37	25	25
58	29	26	37	49	56	71	73	70	69	51	32	2	26
59	24	36	38	43	62	70	70	72	61	40	26	31	26
60	22	27	31	49	53	67	72	71	60	47	36	30	27
61	27	32	42	40	52	65	71	65	57	45	34	27	27
62	14	34	31	39	52	64	68	69	56	49	38	24	26
63	18	29	34	48	57	65	72	70	55	47	32	21	26
64	20	29	35	46	55	57	70	73	64	40	31	20	27
65	23	28	30	46	52	67*	70	69	61	39	42	36	22
66	21	29	34	43	60	61	71	66	61	43	30	26	20
67	29	30	32	57	52	62	61	57	43	41	33	25	28
68	23	25	26	45	54	64	63	62	57	48	33	31	25
69	24	36	35	51	57	62	74	70	59	47		31	
70	21	28	30	42	52	55	66	66	58	44	28	35	20
71	29	27	27	41	49	64	66	67	53	50	36	36	27
72	23	26	39	47	59	64	69	67	53	49	36	28	23
73	21	24	45	39	52	66	70	66	65	40	40	20	21
MEAN													
S. D.													
TOTAL OBS.													

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

EXTREME VALUES

• ILLUMINATING IMPROVEMENTS

(FROM DAILY OBSERVATIONS)

STATION ELLINGTON AFB TX STATION NAME

41-46, 51-81

YEARS

WIND DIRECTION: 100-110 DEGREES FAHRENHEIT

[illegible]

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

H (AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMA

12226 ELLINGTON AFB TX
STATION STATION NAME

69-70.73-67
YEARS

JA
MONTH

PAGE 1 0000-02
HOURS (L. S.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew			
70/ 71		.9	.5															13	13					
70/ 69		2.2	.6															26	26	13				
68/ 67		3.2	.3															33	33	33				
66/ 65	.1	3.3																32	32	33				
64/ 63	.1	3.2	.6	.1														38	38	35				
62/ 61	.2	.6	.4	.2	.1	.3												18	18	23				
60/ 59	.4	2.8	.2				.3											35	35	23				
58/ 57	.1	3.0	1.0	.2	.2	.2												44	44	32				
56/ 55	.3	2.7	1.5	.6	.1													49	49	36				
54/ 53	.2	3.1	.3	.1	.1	.3												39	39	47				
52/ 51	.5	3.3	.6	.5	.1													48	48	46				
50/ 49	.3	3.4	.8	.4	.2													48	48	48				
48/ 47	.1	3.3	.4	.4	.4	.1												45	45	46				
46/ 45	.5	3.0	1.6	.5	.5	.1												59	59	53				
44/ 43	.8	1.3	3.1	1.3	.2													62	62	32				
42/ 41	.3	3.0	1.8	.9	.8													63	63	53				
40/ 39	.3	3.4	3.3	1.2	.4													81	81	62				
38/ 37	.4	2.5	1.0	.4	.2	.2												44	44	76				
36/ 35	.3	1.9	2.3	.8	.1													50	50	64				
34/ 33	.3	1.5	.9	.1														26	26	51				
32/ 31	.1	1.3	1.6	.1														29	29	34				
30/ 29		.4	1.5	.1														19	19	30				
28/ 27	.1	1.1	.6	.1														17	17	16				
26/ 25	.2	.3	.8															12	12	28				
24/ 23																				10				
22/ 21																				6				
20/ 19																								
18/ 17																								
16/ 15																								
14/ 13																								
12/ 9																								
8/ 7																								
6/ 5																								
Element (X)	Σ X'		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ			
Rel. Hum.																								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AD-A110 045

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
ELLINGTON AFB, HOUSTON, TEXAS REVISED UNIFORM SUMMARY OF SURFAC--ETC(U)
AUG 81

UNCLASSIFIED

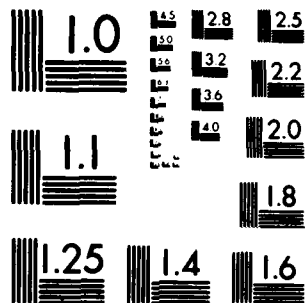
USAFETAC/DS-A1/DA7

SBI-AD-E850 114

NL

4 = 5

$$\frac{d\mathbf{f}}{dt} = \mathbf{f}(\mathbf{f}, t)$$



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963-A

PSYCHROMETRIC SUMMARY

12906 ELLINGTON AFB TX
STATION STATION NAME

69-70, 73-80

YEARS

JAN
MONTH

PAGE 2 0000-0200
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12906 ELLINGTON AFB TX

69-70,73-80

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
72/ 71		.5	.1															6	6			
70/ 69		1.8	1.0															26	26	11	5	
68/ 67		2.2	.5															25	25	21	20	
66/ 65	.3	4.3		.1														44	44	41	22	
64/ 63	.6	2.4	.5	.1														34	34	40	52	
62/ 61	.6	1.6	.5	.1														27	27	24	32	
60/ 59	.2	2.0	.2			.1	.1											25	25	27	12	
58/ 57	.4	2.5	.5	.1	.1	.1												35	35	32	41	
56/ 55	.4	3.7	1.5	.4		.4												60	60	30	22	
54/ 53	.1	2.9	1.0	.3	.2	.1												43	43	43	30	
52/ 51	.2	3.3	.9	.2	.3													46	46	45	47	
50/ 49		2.7	.2	.2														29	29	48	52	
48/ 47	.1	4.2	.5															45	45	40	34	
46/ 45	.2	3.1	1.5	.1	.1													47	47	48	40	
44/ 43	.8	2.7	2.7	.5	.3													65	65	42	42	
42/ 41	.3	2.3	2.2	1.6	.4													63	63	40	28	
40/ 39	.6	2.9	2.6	.8	.5													69	69	60	36	
38/ 37	1.3	2.8	1.1	.3	.8													58	58	76	49	
36/ 35	.1	2.6	1.1	.1														36	36	55	54	
34/ 33	.6	2.6	1.4	.6	.2													51	51	57	51	
32/ 31	.2	1.6	1.8		.1													35	35	42	60	
30/ 29	.1	1.1	1.1															20	20	33	39	
28/ 27	.2	.5	1.0															16	16	25	27	
26/ 25	.1	.9	.6															15	15	24	33	
24/ 23		.2	.6															8	8	13	9	
22/ 21			.2															2	2	8	26	
20/ 19																				5	21	
18/ 17																					22	
16/ 15																					13	
14/ 13																					3	
12/ 11																					4	
10/ 9																					6	
8/ 7																					4	
Element (X)	Σ g ¹		Σ g		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature									
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total			
Dry Bulb																						
Wet Bulb																						
Dew Point																						

PSYCHROMETRIC SUMMARY

12906
STATION

ELLINGTON AFB TX
STATION NAME

69-70, 73-80

YEARS

JAN
MONTH

PAGE 2

0300-0500
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12906 ELLINGTON AFB TX
STATION STATION NAME

69-70,73-80
YEARS

JAN
MONTH
PAGE 1 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
72/ 71		.3																3	3	1	
70/ 69		1.9	.4															22	22	12	4
68/ 67		1.3	.9															20	20	14	17
66/ 65	.4	4.6	.1															48	48	26	18
64/ 63	.8	1.6	.3	.1														26	26	49	49
62/ 61	.5	3.4	.9		.1													46	46	33	34
60/ 59	.6	2.7	.2		.1													34	34	38	35
58/ 57	.3	1.7	.3	.1		.1												24	24	33	35
56/ 55	.1	3.1	1.3		.1	.1												44	44	22	25
54/ 53	.6	2.6	.6	.3		.2												41	41	38	31
52/ 51	.2	3.3	.8		.2		.1											43	43	34	24
50/ 49	.1	3.1	1.2	.4	.1													46	46	47	40
48/ 47	.4	3.7	.6	.2														46	46	45	45
46/ 45	.6	3.0	.8															41	41	54	47
44/ 43	.5	2.8	2.3	.5	.3													60	60	40	33
42/ 41	.5	2.3	2.6	.5	.3													58	58	44	44
40/ 39	.6	3.1	2.7	.6	.1													67	67	50	35
38/ 37	1.0	2.4	2.2	.4	.2													57	57	73	31
36/ 35	.4	1.9	1.2	.4	.2													39	39	51	46
34/ 33	.3	3.0	1.4	.8														51	51	60	56
32/ 31	.2	1.9	1.4	.6	.1													40	40	41	56
30/ 29	.4	1.4	1.1	.1														28	28	41	49
28/ 27	.3	.9	.3															14	14	27	36
26/ 25	.1	1.0	.1															11	11	24	33
24/ 23		.9	.3															11	11	14	13
22/ 21	.1	.2	.5															8	8	8	20
20/ 19		.1	.1															2	2	7	30
18/ 17																				4	13
16/ 15																					13
14/ 13																					3
12/ 11																					5
10/ 9																					5
8/ 7																					5
Element (X)	Σ X'		Σ X		Σ	σ _x	No. Obs.		Mean No. of Hours with Temperature											Total	
Rel. Hum.									≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F							
Dry Bulb																					
Wet Bulb																					
Dew Point																					

PSYCHROMETRIC SUMMARY

12906
STATIO

ELLINGTON AFB TX

69-70, 73-80

JAN
MONTH

PAGE 2

0600-0800
HOURS (L. S. T.)

[illegible]

[illegible]

PSYCHROMETRIC SUMMARY

<u>12906</u>	<u>ELLINGTON AFB TX</u>
STATION	STATION NAME

69-70, 73-80

YEARS

JAN
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12906 ELLINGTON AFB TX

69-70,73-80

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1200-1400

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
82/ 81					.1	.1		.1										3	3							
80/ 79				.1	.5	.6			.1	.1								14	14							
78/ 77				.4	1.6	.5		.1	.1									26	26							
76/ 75			.2	1.1	1.0	.3	.3		.1	.1								29	29							
74/ 73			1.1	1.4	1.0	.3	.2	.1	.4		.2							44	44	3						
72/ 71		.2	1.3	1.5	.6	.4	.1	.3		.2		.1						45	45	19	1					
70/ 69		.4	1.7	.2	.4	.4	.3		.3	.3								39	39	46	10					
68/ 67		.6	1.3	.5	1.0	.8	.1	.3	.3									46	46	48	35					
66/ 65	.3	1.3	.9	.1	.4	.2	.3	.2	.3									38	38	44	45					
64/ 63		.9	.9	.6	.3	.6	.6	.5										42	42	42	60					
62/ 61		.8	.8	.9	.8	.4	.6	.3	.3									45	45	30	32					
60/ 59		.9	.5	.8	.3	.8		.2	.2									34	34	35	21					
58/ 57		1.7	.3	.9	.5	.6	.1	.2										41	41	35	31					
56/ 55	.1	.6	.5	1.0	.4	.6	.4	.4	.1									40	40	44	28					
54/ 53		1.1	1.5	.4	.1	.9	1.3	.2										51	51	41	34					
52/ 51	.1	2.6	1.1	1.2	1.2	.4	.8											68	68	52	35					
50/ 49	.2	1.4	1.1	.6	.9	.6	.5											50	50	70	34					
48/ 47	.3	.8	.5	.5	.2	.5	.5											32	32	44	54					
46/ 45	.2	.9	1.2	1.2	.5	1.0	.4											50	50	45	43					
44/ 43	.1	1.1	1.3	1.2	1.1	.2	.3											49	49	47	34					
42/ 41		1.1	1.2	.6	1.2	.5												43	43	50	34					
40/ 39	.3	.9	1.1	.4	.9	.8												40	40	52	44					
38/ 37		.5	.5	.6	.6	.2												24	24	47	39					
36/ 35		.6	.1	.1	.4													12	12	41	39					
34/ 33		1.3	.3		.1													16	16	41	42					
32/ 31		.5			.1													6	6	28	31					
30/ 29		.1	.2															3	3	17	33					
28/ 27																				6	35					
26/ 25																				3	24					
24/ 23																					13					
22/ 21																					27					
20/ 19																					20					
18/ 17																					16					
16/ 15																					9					
Element (X)	Σ X'		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.																										
Dry Bulb																										
Wet Bulb																										
Dew Point																										

PSYCHROMETRIC SUMMARY

12906	ELLINGTON AFB TX
STATION	STATION NAME

69-70, 73-80

YEARS

JAN
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12906
STATION

ELLINGTON AFB TX
STATION NAME

69-70, 73-80
YEARS

YEARS

JAN
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
82/ 81						.1		.1										2	2			
80/ 79					.4	.1		.1										6	6			
78/ 77				.4	.5	.6	.1	.1	.1	.2	.1							21	21			
76/ 75			.1	1.0	1.2	.4			.3	.3								31	31			
74/ 73			1.3	1.4	.5	.3	.2	.3	.5	.1								44	44	1		
72/ 71	.1	.4	1.4	1.2	.6	.3	.3		.1		.3							45	45	19	1	
70/ 69		.9	1.7	.5	.6	.1		.4	.3	.1		.1						45	45	36	11	
68/ 67		.6	.8	.8	.9	.5	.2	.3	.2	.1	.1							42	42	48	39	
66/ 65		1.1	1.3	.5	.6	.2	.5	.2	.2									44	44	44	32	
64/ 63	.1	1.0	.8	.8	.2	.4	.4	.4	.4	.2								44	44	41	55	
62/ 61	.2	.4	.4	1.0	.8	.3	.4	.4	.3									40	40	28	32	
60/ 59		.9	1.4	.5	1.0	.3	.2	.3										43	43	44	31	
58/ 57	.1	1.4	.8	.6	1.0	.4	.3	.3	.3	.1								50	50	37	19	
56/ 55	.1	1.6	.6	1.0	1.1	.5	.6	.5	.1									58	58	50	30	
54/ 53		1.8	.8	.6	1.1	1.1	.8	.1										58	58	45	46	
52/ 51		1.6	1.7	.5	1.3	.8	.8	.1										63	63	51	46	
50/ 49	.1	1.1	.6	.9	.6	.3	.6											40	40	61	37	
48/ 47	.5	.5	.2	.4	.6	1.0	.4											35	35	65	43	
46/ 45	.3	.8	1.2	1.3	1.0	.8	.2											51	51	49	35	
44/ 43		1.0	1.1	1.0	.6	1.2												45	45	42	49	
42/ 41		1.2	1.0	1.4	.9	1.3	.3											56	56	53	34	
40/ 39	.3	.5	.5	.6	.5	.2												26	26	48	37	
38/ 37		.6	.1	.1	.1	.1												10	10	54	42	
36/ 35		.9			.3													11	11	38	3	
34/ 33		.9	.3															11	11	38	41	
32/ 31		.5	.4															9	9	20	41	
30/ 29																				12	47	
28/ 27																				6	22	
26/ 25																					24	
24/ 23																					23	
22/ 21																					16	
20/ 19																					26	
18/ 17																					10	
16/ 15																					12	
Element (X)	Σ x ²		Σ x		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Num.																						
Dry Bulb																						
Wet Bulb																						
Dew Point																						

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

17906
STATION

ELLINGTON AFB TX
STATION NAME

69-70, 73-80

YEARS

JAN
MONTH

PAGE 2

1500-1700
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12906 ELLINGTON AFB TX

69-70, 73-80

JAN
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
76/ 75			.1															1	1						
74/ 73			.4	.1														5	5						
72/ 71		.8	1.1	.2														19	19	2					
70/ 69		1.9	2.2	.3		.2		.2										45	45	22	8				
68/ 67		2.0	1.4		.2		.1											35	35	30	31				
66/ 65		2.4	1.8				.2											41	41	35	24				
64/ 63		2.6	.6	.5	.1	.2												38	38	43	49				
62/ 61		3.0	1.0	.2	.1	.1	.1											42	42	37	26				
60/ 59	.1	2.5	1.1		.5	.2	.1		.1									43	43	39	37				
58/ 57	.1	1.8	1.7	.5	1.2	.1		.1	.1									53	53	38	40				
56/ 55	.3	2.6	1.4	1.5	.6	.3	.2		.1									66	66	41	27				
54/ 53		2.6	1.1	.6	.5	.4	.1											50	50	45	40				
52/ 51	.2	2.4	.9	.5	.6	.4												47	47	50	52				
50/ 49		2.8	1.7	.8	.9	.1	.3											61	61	61	29				
48/ 47	.4	1.3	1.3	1.7	.9	.2	.1											55	55	50	48				
46/ 45	.2	1.0	2.0	1.2	.6	.8												54	54	39	37				
44/ 43	.1	1.6	3.0	1.9	.9	.1												71	71	52	44				
42/ 41		2.2	1.4	1.5	1.1													57	57	63	31				
40/ 39	.1	1.3	1.3	1.3	.5													42	42	62	45				
38/ 37	.2	.8	.9	1.0	.3	.1												30	30	65	47				
36/ 35		.9	.4	1.1	.1													23	23	46	37				
34/ 33		1.5	.4	1.3														30	30	34	55				
32/ 31		.1	1.1	.5														16	16	29	34				
30/ 29		.1	.3	.1														5	5	19	36				
28/ 27	.1																	1	1	20	40				
26/ 25																				7	18				
24/ 23																				1	21				
22/ 21																					15				
20/ 19																					27				
18/ 17																					12				
16/ 15																					9				
14/ 13																					1				
12/ 11																					4				
10/ 9																					3				
Element (X)	Σ X'			Σ X			Σ			Σ			Σ			Σ			Mean No. of Hours with Temperature			Total			
Rel. Hum.																			≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OLA) JAN 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

12926
STATION

ELLINGTON AFB TX
STATION NAME

69-70, 73-80

YEARS

JAN
MONTH

PAGE 2

1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

12906
STATIC

ELLINGTON AFB TX

69-70, 73-80

YEARS

JAN
MONTH

PAGE 1

2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

17956

ELLINGTON AFB TX

69-70, 73-80

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 2

2100-2300
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12906 ELLINGTON AFB TX
STATION STATION NAME

69-70.73-80
YEARS

JAN
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point						
82/ 81					.0	.0		.0										5	5								
81/ 79				.0	.1	.1		.0	.0	.0								20	20								
78/ 77			.0	.1	.3	.1	.0	.0	.0	.0	.0							50	50								
76/ 75			.1	.3	.3	.1	.0		.1	.1								69	69								
74/ 73		.1	.4	.4	.2	.1	.1	.1	.1	.0	.0							108	108	5							
72/ 71	.0	.7	.8	.4	.2	.1	.1	.0	.0	.0	.0	.0						172	172	53	3						
70/ 69		1.6	1.2	.2	.1	.1	.1	.1	.1	.1		.0						269	269	183	70						
68/ 67	.0	1.8	.8	.2	.3	.2	.1	.1	.1	.0	.0							265	265	261	229						
66/ 65	.2	2.8	.5	.2	.2	.1	.1	.1	.1									316	316	289	240						
64/ 63	.3	2.2	.6	.4	.1	.2	.1	.1	.1	.0								310	310	328	377						
62/ 61	.3	1.8	.6	.4	.3	.2	.2	.1	.1									296	296	249	257						
60/ 59	.2	2.0	.6	.3	.3	.2	.1	.1	.0									287	287	268	206						
58/ 57	.2	2.1	.8	.4	.6	.2	.1	.1	.1	.0								337	337	275	249						
56/ 55	.3	2.5	1.2	.7	.4	.3	.2	.1	.0									424	424	298	242						
54/ 53	.2	2.4	.9	.4	.3	.4	.3	.0										371	371	353	280						
52/ 51	.2	2.7	1.0	.6	.5	.3	.2	.0										413	413	372	317						
50/ 49	.1	2.8	.9	.7	.4	.2	.2											396	396	443	310						
48/ 47	.4	2.4	.7	.6	.4	.3	.1											363	363	401	370						
46/ 45	.3	1.8	1.6	.7	.4	.3	.1											394	394	373	325						
44/ 43	.4	1.8	2.3	1.2	.6	.2	.0											484	484	344	322						
42/ 41	.2	2.0	1.9	1.2	.7	.3	.0											465	465	418	258						
40/ 39	.4	1.9	1.8	.9	.5	.1												418	418	447	310						
38/ 37	.4	1.7	1.0	.6	.4	.1												320	320	513	357						
36/ 35	.1	1.4	.8	.5	.3													229	229	399	363						
34/ 33	.2	1.6	.8	.5	.1													235	235	355	378						
32/ 31	.1	.9	1.1	.3	.0													183	183	256	354						
30/ 29	.1	.4	.7	.1														100	100	205	319						
28/ 27	.1	.4	.3	.1														67	67	141	241						
26/ 25	.1	.3	.2															41	41	117	215						
24/ 23		.1	.1															21	21	52	141						
22/ 21	.0	.0	.1															10	10	25	164						
20/ 19		.0	.0															2	2	13	186						
18/ 17																				4	116						
16/ 15																					72						
Element (X)	Σ X'				Σ X				Σ				°A				No. Obs.				Mean No. of Hours with Temperature						
Rel. Hum.																					≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb																											
Wet Bulb																											
Dew Point																											

USAFETAC FORM 34-44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

<u>12906</u>	<u>ELLINGTON AFB TX</u>
STATION	STATION NAME

69-70, 73-80

YEARS

JAN
MONTH

PAGE 2

ALL
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12906 ELLINGTON AFB TX
STATION STATION NAME

69-70.73-80
YEARS

FEB
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
74/ 73		.4	.4															6	6		
72/ 71	.1	.8	.4															11	11	9	1
70/ 69		.4	.8	.2														12	12	9	11
68/ 67	.6	2.2	.4															27	27	13	17
66/ 65	.1	3.1	.4															30	30	25	18
64/ 63	.5	2.0	.6		.1				.1	.1								29	29	37	29
62/ 61	.5	3.4	.9	.2				.1		.1								45	45	30	29
60/ 59	.1	3.9	.2	.4	.1		.1		.1									42	42	38	35
58/ 57	.5	1.8	.5	.6	.4													31	31	33	37
56/ 55	.8	3.8	1.9	.4	.1													59	59	33	33
54/ 53	.4	4.7	1.1	.6														57	57	44	38
52/ 51	.6	4.4	.8	.2	.1	.5												56	56	68	47
50/ 49	.4	3.1	2.1	.2	.2	.4												54	54	55	64
48/ 47	.2	3.4	1.7	2.1	.7	.2												71	71	45	35
46/ 45	.6	4.1	3.2	.9	.6													80	80	60	54
44/ 43	.2	2.1	2.8	.8	.2													53	53	58	39
42/ 41	.2	1.9	2.7	.9														49	49	64	43
40/ 39	.4	2.1	1.7	.4	.1													39	39	59	38
38/ 37		3.1	1.5	.6														44	44	58	54
36/ 35		.6	.9	.2														15	15	42	34
34/ 33	.2	.2	.6	.6														14	14	20	55
32/ 31	.2	1.2	.7															18	18	17	39
30/ 29		.4																3	3	18	31
28/ 27		.1																1	1	11	20
26/ 25																					18
24/ 23																					10
22/ 21																					9
20/ 19																					9
18/ 17																					4
16/ 15																					1
14/ 13																					1
TOTAL	6.4	53.2	26.2	9.5	2.7	1.1	.1	.1	.2	.2								846	846		846
Element (X)	Σ x ²		Σ x		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature								
Rel. Hum.	5843027		69319		81.9		13.8		846		± 0 F		± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total			
Dry Bulb	2252681		42869		50.7		9.7		846				2.2	5.6	.6			84			
Wet Bulb	2041403		40642		48.0		10.2		846				4.6	3.1				84			
Dew Point	1845571		38133		45.1		12.2		846				14.1	2.9				84			

PSYCHROMETRIC SUMMARY

12926
STATIO

ELLINGTON AFB TX

69-70, 73-80

FEB

MONTH

PAGE 1

0300-0500

HOURS (L - S - T)

[illegible]

2

PSYCHROMETRIC SUMMARY

FEB
MONTH

C600-080
HOURS (L. S. T.)

USAFETAC
FORM
AA 44
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12906 ELLINGTON AFB TX

69-70,73-80

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0900-1100

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
80/ 79											.1							1	1		
78/ 77				.1	.5	.1												6	6		
76/ 75		.1	.2	.8	.4	.6	.1											19	19		
74/ 73		.1	.9	.7	.2	.4	.5						.1					25	25	2	
72/ 71		.4	1.4	.5	.5	.5		.1		.1								29	29	9	3
70/ 69		.8	2.1	1.4	.5	.2			.1									42	42	21	8
68/ 67		2.1	1.1	1.2	.4	.4	.1	.1		.1								46	46	36	21
66/ 65	.5	2.6	1.2	.8	.8	.2	.1	.4										50	50	48	43
64/ 63	.2	2.1	.8	.9	.4	.7	.6	.2	.2									50	50	57	40
62/ 61	.1	1.9	1.2	1.1	.5	.4	.6	.1										50	50	47	48
60/ 59	.4	1.7	1.2	.4	.9	.6	.7	.5										53	53	33	38
58/ 57	.1	1.4	1.9	.4	1.2	.2	.5											48	48	44	35
56/ 55	.6	1.7	1.8	.8	.8	.4	.4	.4										57	57	50	46
54/ 53	.1	1.3	1.4	1.2	.9	.6	.8	.2										56	56	37	45
52/ 51	.1	1.3	2.0	.9	.5	.7	.8											54	54	53	31
50/ 49	.1	1.7	1.5	.9	.2	.7												44	44	55	29
48/ 47		1.3	.9	1.2	.9	.2	.1											40	40	58	39
46/ 45		1.4	1.2	1.2	.2	.1	.1											36	36	46	43
44/ 43	.1	1.3	1.9	.7	.4													37	37	46	38
42/ 41	.2	1.4	.8	.4	.2													26	26	60	35
40/ 39		1.3	.9	.5	.2	.1												26	26	42	49
38/ 37		1.5	.2	.6														20	20	28	38
36/ 35		.4	.7	.7	.1													16	16	29	42
34/ 33	.4	.4	.2															8	8	19	39
32/ 31		.6	.1	.1														7	7	8	35
30/ 29																				14	19
28/ 27																				3	25
26/ 25																				1	11
24/ 23																					12
22/ 21																					18
20/ 19																					6
18/ 17																					3
16/ 15																					3
14/ 13																					1
Element (X)	Σ X ²		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		
Rel. Hum.																					
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

PAGE 2 0900-1100
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12906
STATION

ELLINGTON AFB TX
STATION NAME

69-70,73-80
YEARS

FEB
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point						
84/ 83					.2	.1	.2		.1	.1			.4						4	4							
82/ 81					.2	.1	.2		.1	.1									7	7							
80/ 79				.2	.1	1.1	.7	.4	.1				.2						24	24							
78/ 77				.9	1.4	1.1	1.2	.7	.2	.1		.1	.2	.1					52	52							
76/ 75		.1		.6	.8	1.2	.7	.6		.1	.2								37	37							
74/ 73			.4	1.7	1.2	.6	.9			.6									45	45	6	1					
72/ 71		.4	1.3	1.2	1.7	.6	1.2		.2	.1	.1	.1							58	58	13	2					
70/ 69		.5	1.5	.7	1.1	.2	.4	.8	.5	.1		.1							50	50	45	11					
68/ 67	.1	.5	.6	.1	.5	.5	.1	1.3	.6	.4									39	39	53	23					
66/ 65		.1	.2	.8	1.3	.6	.4	1.2	.8	.4									49	49	58	37					
64/ 63		.2	.2	2.1	.5	1.1	1.2	.4	.9	.1									57	57	42	42					
62/ 61		1.1	.5	.4	1.2	1.2	.4	.7	.5	.5									53	53	32	36					
60/ 59		.6	1.9	1.2	.4	.6	.6	.9	.6										57	57	46	42					
58/ 57	.1	.6	.8	.7	1.1	.7	.2	.8	.2										45	45	40	35					
56/ 55	.1	.8	.9	.6	1.2	.9	.9	.4											50	50	59	38					
54/ 53		.8	.7	1.7	.2	.2	.8												38	38	64	50					
52/ 51	.1	.6	1.2	.4	.5	.4	.1	.2											29	29	58	44					
50/ 49	.1	.4	.2	.5	.5	.1	.1												16	16	59	32					
48/ 47		.5	.2	.7	.9	.4	.2												25	25	53	32					
46/ 45		.5	1.4	.8		.6	.1												29	29	40	27					
44/ 43	.1	.9	.6	.6	.6	.1													25	25	45	38					
42/ 41		1.1	.6	.8	.5	.1													26	26	40	47					
40/ 39	.1	.8	.6	.4															16	16	24	52					
38/ 37		.8	.1																8	8	25	37					
36/ 35		.2																	2	2	27	32					
34/ 33	.2	.1																	3	3	14	35					
32/ 31	.1	.1																	2	2	3	45					
30/ 29																						17					
28/ 27																						24					
26/ 25																						22					
24/ 23																						14					
22/ 21																						19					
20/ 19																						5					
18/ 17																						1					
Element (X)	Σ X'				Σ X				Σ				Σ				No. Obs.				Mean No. of Hours with Temperature						
Rel. Hum.																					≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																											
Wet Bulb																											
Dew Point																											

FORM 0-26-5 (OL A) REVERSED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC JAN 64

2.

YEARS

FEB
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

[illegible]

0-26-5 (OL A)

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12906 ELLINGTON AFB TX

69-70, 73-80

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1500-1700

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
84/ 83								.2		.1								3	3		
82/ 81					.1	.2	.6		.4	.2								13	13		
80/ 79					.4	.6	.4			.1		.2		.2				16	16		
78/ 77				.6	1.4	.5	.5	.1	.1	.2		.4	.1	.4				36	36		
76/ 75			.4	1.3	.9	.9	.9	.6	.2	.1	.1							47	47		
74/ 73			.1	.7	.9	1.8	.6	.7			.1							42	42	4	
72/ 71		.8	.7	.9	1.7	.7	.5	.4	.5	.4	.2	.2						59	59	12	
70/ 69			2.2	1.1	.8	.8	.6	.5	.4	.5	.2							60	60	45	15
68/ 67		.4	1.7	.5	.7	.7	.8	.2	.8	.6	.6							59	59	37	10
66/ 65		.2	.5	.4	.4	.7	.6	.5	.5	.5								35	35	58	37
64/ 63	.1	.2	1.2	.7	1.2	1.2	.8	.6	.9	.2								61	61	57	51
62/ 61	.1	.7	.8	.6	1.5	.7	.7	.5	1.4	.7								66	66	39	35
60/ 59		.8	1.4	.6	.7	1.2	.7	.7	.6									57	57	44	35
58/ 57	.1	1.4	1.2	.7	.4	.4	.6											40	40	41	54
56/ 55	.2	.5	.7	.4	1.9	.8	.8	.7										51	51	81	36
54/ 53		.8	.2	1.1	.4	.5	.4		.4									31	31	49	46
52/ 51			1.3	1.2	.4		.1											25	25	54	38
50/ 49		.7	.7	.6	.6	.1	.2											25	25	52	33
48/ 47		.4		.5	.8	1.2	.4											27	27	65	41
46/ 45		1.5	.5	.6	.5	.6	.1											32	32	54	30
44/ 43			.6	.6	.4													13	13	37	34
42/ 41	.2	1.2	1.5	.1														26	26	22	47
40/ 39	.2	.4	.5															9	9	41	34
38/ 37	.1	.7																7	7	29	33
36/ 35	.2		.4															5	5	21	40
34/ 33	.1																	1	1	2	31
32/ 31																				2	47
30/ 29																					26
28/ 27																					16
26/ 25																					19
24/ 23																					17
22/ 21																					2
20/ 19																					6
18/ 17																					1
Element (X)	Σ X ²		Σ X		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC
FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

FEE
MONTH

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12906 ELLINGTON AFB TX

69-70, 73-8

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
78/ 77						.1		.1										2	2		
76/ 75			.4	.1				.1										5	5		
74/ 73		.2	.7	.2			.1				.1		.1					13	13		
72/ 71		.5	1.1	.5	.4	.2		.1		.1								24	24	9	
70/ 69		.9	2.0	1.1	.5	.5	.2			.1		.1						46	46	12	11
68/ 67		1.7	2.7	1.3	.5	.4			.2			.1						58	58	21	16
66/ 65		2.6	1.5	1.1	.4	.2	.5	.2	.1	.1								57	57	43	30
64/ 63		1.9	1.1	1.2	.2	.5		.2	.1									44	44	55	37
62/ 61		2.0	1.5	1.4	.4	.6	.4	.2		.1								56	56	50	29
60/ 59		1.9	1.3	1.1	.2	.2	.6	.7										51	51	43	53
58/ 57	.5	1.1	2.5	.8	1.2	.6	.1	.2	.1									60	60	50	44
56/ 55	.4	2.0	1.9	.9	.5	1.2	.6	.6										68	68	47	40
54/ 53	.1	1.8	2.6	1.4	1.2	.4	.4											66	66	52	47
52/ 51		1.2	1.5	1.1	1.5	.2	.7											53	53	53	40
50/ 49	.2	1.2	2.4	1.7	.6	.8	.1											59	59	60	43
48/ 47	.1	.8	1.2	2.4	.1	.2												41	41	56	43
46/ 45		1.7	1.2	.5	.2	.6												35	35	73	39
44/ 43		.5	.5	.8	.2	.4												20	20	57	38
42/ 41		.9	2.2	1.8		.1												43	43	41	40
40/ 39		.7	1.3	.2														19	19	35	38
38/ 37	.2	.8	.8	.1	.1													18	18	40	42
36/ 35	.4	.1	.2															6	6	37	61
34/ 33			.2															2	2	7	38
32/ 31																				3	38
30/ 29																				2	16
28/ 27																					14
26/ 25																					13
24/ 23																					19
22/ 21																					4
20/ 19																					6
18/ 17																					4
16/ 15																					3
14/ 13																					1
Element (X)	Σ X ²		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature								
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total		
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OL A) JAN 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

PAGE 2 1870-2000
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

FORM 41

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

10906 ELLINGTON AFB TX

69-70,73-80

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 1

2100-2300

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
74/ 73		.2	.1															3	3			
72/ 71		.8																7	7	6	2	
70/ 69		1.4	.9															20	20	7	8	
68/ 67	.1	1.9	1.9				.1			.1								35	35	14	12	
66/ 65	.1	3.1	.7						.1		.2							36	36	33	24	
64/ 63	.4	3.2	.8		.1	.1			.1	.1								41	41	39	29	
62/ 61		4.8	.7	.2		.1												50	50	38	34	
60/ 59	.4	3.7	.5	.6	.5	.1												48	48	46	46	
58/ 57	.6	3.9	1.1	.7	.2			.1										56	56	48	47	
56/ 55	.5	3.2	2.2	.2	.1	.4		.1										57	57	47	45	
54/ 53	.1	3.2	3.2	.4	.2	.7	.2											68	68	37	35	
52/ 51		2.8	1.3	.7	.5	.5												49	49	65	33	
50/ 49		3.3	2.6	1.5	1.3	.5												78	78	55	50	
48/ 47	.1	3.4	2.2	2.2	.4	.1												72	72	48	56	
46/ 45	.4	2.2	2.4	.9	1.2													60	60	70	54	
44/ 43		1.9	2.1	.8	.5													45	45	64	35	
42/ 41		1.8	1.8	.8	.1	.1												39	39	69	38	
40/ 39	.1	1.4	1.2	.4	.1													27	27	43	43	
38/ 37		1.4	1.3	.2														25	25	47	41	
36/ 35	.2	.5	.8	.6														18	18	31	47	
34/ 33	.1	.5	.4	.1														9	9	20	46	
32/ 31		.2																2	2	11	41	
30/ 29		.1																1	1	6	16	
28/ 27																				2	21	
26/ 25																					25	
24/ 23																					6	
22/ 21																					2	
20/ 19																					2	
18/ 17																					8	
TOTAL	3.1	49.1	28.3	10.5	5.2	2.6	.4	.2	.2	.2	.2							846	846	846	846	
Element (X)	Σ x'		Σ x		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.	5529020		67230		79.5		14.852		846		± 0 F		± 32 F		± 67 F		± 73 F		± 80 F		± 93 F	
Dry Bulb	2415569		44537		52.6		9.163		846				.3		6.5		.3					
Wet Bulb	2153761		41887		49.5		9.722		846				1.9		2.7							
Dew Point	1915792		38968		46.1		.960		846				12.0		2.2							

USAFETAC FORM 0-26-5 (OLA) 1A 84

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12906 ELLINGTON AFB TX

69-70.73-80

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point									
84/ 83							.0	.0		.0			.0						7	7									
82/ 81					.0	.0	.1		.1	.0									20	20									
80/ 79				.0	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0					41	41									
78/ 77				.2	.4	.2	.2	.1	.0	.0		.1	.0	.1					96	96									
76/ 75		.0	.1	.4	.3	.3	.2	.2	.0	.0	.0								108	108									
74/ 73		.2	.3	.4	.3	.3	.3	.1		.1	.0		.0						141	141	12								
72/ 71	.7	.6	.8	.4	.5	.3	.2	.1	.1	.1	.0	.0							211	211	65								
70/ 69		.6	1.3	.5	.4	.2	.1	.2	.1	.1	.0	.0							246	246	156								
68/ 67	.1	1.5	1.2	.4	.3	.2	.1	.2	.2	.1	.1	.0							309	309	211								
66/ 65	.1	2.3	.7	.4	.3	.2	.2	.3	.2	.1	.0								323	323	303								
64/ 63	.3	1.7	.7	.6	.3	.4	.3	.2	.3	.1									336	336	362								
62/ 61	.2	2.3	.9	.5	.4	.4	.3	.2	.3	.2									383	383	289								
60/ 59	.2	2.4	1.7	.5	.4	.3	.3	.4	.2										382	382	305								
58/ 57	.4	2.0	1.1	.6	.6	.3	.2	.2	.0										357	357	340								
56/ 55	.6	2.4	1.4	.4	.6	.5	.4	.3											446	446	392								
54/ 53	.3	2.6	1.3	.9	.4	.3	.4	.0	.0										419	419	376								
52/ 51	.3	2.0	1.1	.6	.5	.3	.2	.0											340	340	445								
50/ 49	.3	2.1	1.5	.9	.5	.4	.1												380	380	409								
48/ 47	.3	2.2	1.2	1.5	.6	.3	.1												418	418	404								
46/ 45	.3	2.4	1.6	.8	.4	.3	.0												396	396	458								
44/ 43	.3	1.7	1.5	.8	.3	.1													321	321	449								
42/ 41	.3	1.7	1.9	.8	.1	.0													330	330	423								
40/ 39	.3	1.6	1.3	.3	.1	.0													240	240	348								
38/ 37	.1	1.9	.8	.2	.0														206	206	357								
36/ 35	.2	.9	.7	.3	.0														136	136	294								
34/ 33	.1	.3	.5	.1															76	76	150								
32/ 31	.1	.4	.3	.0															59	59	75								
30/ 29	.1	.2	.1	.0															28	28	81								
28/ 27	.0	.1	.0																8	8	45								
26/ 25	.0	.0																	3	3	14								
24/ 23	.0																		1	1	4								
22/ 21																													
20/ 19																													
18/ 17																													
Element (X)	Σ g ¹			Σ g			I			g _g			No. Obs.			Mean No. of Hours with Temperature													
Rel. Hum.																≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																													
Wet Bulb																													
Dew Point																													

USAFETAC FORM 0-26-5 (OL A) REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

FEB
MONTH

ALL

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
15/ 15																					12
14/ 13																					12
12/ 11																					8
TOTAL	4.8	36.2	23.4	12.6	7.7	5.7	3.9	2.4	1.6	.9	.3	.2	.1	.1					6767		6767
																		6767		6767	

USAFETAC
FORM 0-26-5 (OLA)
JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

<u>12926</u>	<u>ELLINGTON AFB TX</u>
STATION	STATION NAME

69-70,73-80 YEARS

MAR
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

12906
STATID

ELLINGTON AFB TX

69-70, 73-80

MAR
MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
74/ 73		1.0	.4															13	13	4			
72/ 71		3.2	2.0															49	49	9	8		
70/ 69	.3	3.3	1.4															47	47	48	31		
68/ 67	.2	3.8	1.6				.1	.3										56	56	51	56		
66/ 65	.5	4.6	1.4	.2					.1									64	64	56	52		
64/ 63	1.1	4.1	.8	.2	.2	.1												60	60	61	62		
62/ 61	1.1	4.3	.4	.3	.6	.1												64	64	66	53		
60/ 59	.9	4.2	1.1	.3	.6	.1		.1										68	68	57	61		
58/ 57	.3	4.6	1.3	.9	.5	.2												73	73	49	47		
56/ 55	.4	4.8	.8	.6		.1												63	63	65	48		
54/ 53	.1	3.3	1.7	.3	.3		.2											56	56	66	64		
52/ 51	.2	1.9	2.2	1.5	.4	.2												60	60	47	47		
50/ 49	.1	4.0	1.4	1.3	.6													69	69	56	38		
48/ 47	.1	2.2	1.3	.6	.2													41	41	61	55		
46/ 45		1.8	1.7	.9	.1													42	42	52	53		
44/ 43		1.4	1.5	.5														32	32	47	31		
42/ 41		1.3	.9	.4	.2													26	26	48	46		
40/ 39		.2	.6	.5														13	13	24	39		
38/ 37	.2	1.0	.5	.4														20	20	16	39		
36/ 35		.2																2	2	20	25		
34/ 33		.3	.4															7	7	15	23		
32/ 31		.2																2	2	3	17		
30/ 29			.3															3	3	6	14		
28/ 27																					9		
26/ 25																				3	7		
24/ 23																					6		
22/ 21																					2		
20/ 19																					1		
18/ 15																					1		
14/ 13																					2		
TOTAL	5.6	55.8	23.8	9.1	4.0	.9	.3	.4	.1									930	930	930	930		
Element (X)	Σ x'		Σ x		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		
Rel. Hum.	6670008		77858		83.7		12.789		930		≤ 0 F		≤ 32 F		≥ 67 F		= 73 F		= 80 F		= 93 F		
Dry Bulb	3075847		52749		56.7		9.507		930				.5		16.5		1.3						
Wet Bulb	2817272		50318		54.1		10.102		930				1.2		11.2		.4						
Dew Point	2612296		48096		51.7		11.835		930				5.9		9.5								

PSYCHROMETRIC SUMMARY

12906 ELLINGTON AFB TX
STATION STATION NAME

69-70, 73-80

YEARS

MAR
MONTH

PAGE 1

0600-0800
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12906 ELLINGTON AFB TX
STATION STATION NAME

69-70,73-80
YEARS

MAR
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
82/ 81					.1	.2	.1					.1						5	5			
80/ 79				.1	.4	.2	.1				.1							9	9			
78/ 77			.3	.9	.9	.1		.1										21	21			
76/ 75		.3	.8	1.5	.3	.4	.1	.1	.1									34	34			
74/ 73		1.0	2.4	1.5	1.1	.3	.2	.3	.1		.1							65	65	16	1	
72/ 71	.3	2.3	2.2	1.3	1.1	.4	.2	.3	.3	.1								79	79	48	24	
70/ 69		1.8	3.0	1.7	1.0	.4	.2	.4		.1								81	81	62	45	
68/ 67	.1	2.5	2.9	1.1	1.2	.9	.3	.4	.2	.1								90	90	56	55	
66/ 65	.5	2.7	1.2	1.7	.4	.2	.5	.2	.8									77	77	85	62	
64/ 63	.4	2.3	1.7	1.1	1.3	.4	1.4	.2	.5									87	87	82	71	
62/ 61	.6	2.2	1.4	1.0	.8	.6	.5	.4										70	70	69	74	
60/ 59	.1	1.2	.6	.6	.6	1.0	1.0	.3	.1									52	52	71	51	
58/ 57		1.6	1.6	.9	1.5	.6	.9	.2										68	68	55	59	
56/ 55		.1	1.2	1.1	1.0	.4	.5											40	40	45	45	
54/ 53		.1	1.2	.6	.4		.3	.1										26	26	51	39	
52/ 51		1.3	.8	.6	1.3	.3												40	40	58	38	
50/ 49		.5		.4	.3	.2												14	14	65	40	
48/ 47		.6	.4	.5	.3													18	18	43	32	
46/ 45		.4	1.2	.2	.2													19	19	31	36	
44/ 43		.9	.2	.4	.1	.1												16	16	31	35	
42/ 41		.2	.3	.3	.1													9	9	28	38	
40/ 39			.1	.2	.1													4	4	9	43	
38/ 37				.1	.1													2	2	14	29	
36/ 35				.2														2	2	2	34	
34/ 33				.1														1	1	2	22	
32/ 31				.1														1	1	3	16	
30/ 29																				2	15	
28/ 27																				1	5	
26/ 25																					5	
24/ 23																				1	6	
22/ 21																					6	
20/ 19																					1	
18/ 17																					1	
16/ 15																					2	
Element (X)	Σ x'			Σ x			Σ	σ _x	No. Obs.			Mean No. of Hours with Temperature							Total			
Rel. Hum.												≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F					
Dry Bulb																						
Wet Bulb																						
Dew Point																						

PSYCHROMETRIC SUMMARY

MAR
MONTH

PAGE 2 0900-1100
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12906 ELLINGTON AFB TX 69-70,73-80 MAR

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
58/ 87											.1							1	1			
86/ 85							.2		.1	.2		.1						6	6			
84/ 83						.3	.2	.3			.1							9	9			
82/ 81					.2	1.6	.4	.4	.1	.1	.1	.1						29	29			
80/ 79				.4	1.0	.9	.3	.2		.1	.4	.2	.1					34	34			
78/ 77			.8	1.1	1.4	1.0	.9	.3	.1	.1	.3	.1						56	56			
76/ 75		.4	1.3	1.2	1.3	1.0	.5	.4	.6	.4		.1						68	68	2		
74/ 73		.9	1.5	2.4	.6	1.8	1.2	.8	1.0	.3	.5							102	102	33	5	
72/ 71		.9	.9	3.0	1.1	1.3	1.2	.6	.4	.4	.4							95	95	64	19	
70/ 69		1.3	1.8	1.7	.8	.4	.5	.3	1.5	.5	.2							85	85	60	48	
68/ 67	.2	1.0	1.0	1.2	1.3	.3	.9	.5	.4	.4								67	67	67	53	
66/ 65	.2	1.8	.5	1.2	.5	.9	1.1	1.3	1.0	.2								81	81	90	59	
64/ 63	.3	1.7	1.1	.8	1.6	.8	1.1	.5	.4									77	77	79	78	
62/ 61		.6	.4	.9	.6	.6	.6	1.1	.2	.2								50	50	69	70	
60/ 59	.1	.4	.2	.6	.6	.3	.4	.3	.2									31	31	76	43	
58/ 57		.4	.4	.3	.4		.5	.1										21	21	49	54	
56/ 55		.1		.3	.4	.6	.3											17	17	58	45	
54/ 53		1.3	.2	.9	.3	.8	.2											34	34	61	32	
52/ 51		.1	.4	.2	.2	.1	.1											11	11	59	44	
50/ 49		.5	.4	.4		.1	.1											15	15	35	40	
48/ 47		.3	.3	.8	.1	.2												16	16	46	36	
46/ 45		.8	.4	.3	.1													15	15	25	36	
44/ 43			.1	.2	.1													4	4	30	41	
42/ 41						.1												1	1	8	39	
40/ 39			.3		.2													5	5	7	34	
38/ 37																				7	38	
36/ 35																				2	18	
34/ 33																				1	31	
32/ 31																				2	28	
30/ 29																					16	
28/ 27																					7	
26/ 25																					3	
24/ 23																					5	
22/ 21																					3	
Element (X)	Σ X ²			Σ X			Σ	°Σ	No. Obs.		Mean No. of Hours with Temperature											
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total					
Dry Bulb																						
Wet Bulb																						
Dew Point																						

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

12906 ELLINGTON AFB TX
STATION STATION NAME

69-72, 73-80

YEARS

MA 3
MONTH

PAGE 2

1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
20/ 19 16/ 15																					4 3	
TOTAL	.9	12.6	12.2	17.8	13.0	13.1	10.9	7.3	6.1	3.1	2.3	.6	.1					930	930	930		

PSYCHROMETRIC SUMMARY

17926
STATIO

ELLINGTON AFB TX

69-70, 73-80

MAR

MONTH

PAGE 1

1500-1700

HOURS (L. S. T.)

[illegible]

21

21

YEARS

4 A 2
MONTH

USAFETAC
FORM
JUL 64
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12906 ELLINGTON AFB TX

69-70, 73-80

MAP
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
84/ 83											.1							1	1		
82/ 81												.2						2	2		
80/ 79					.1		.1		.1									3	3		
78/ 77			.2	.2					.1	.1		.1						7	7		
76/ 75		.1	.8	.6	.3		.1	.1		.1	.1	.1						22	22		
74/ 73		.9	2.4	.8	.2	.2	.2	.4	.2	.1		.1						51	51		1
72/ 71	.6	2.5	4.2	.6	.3	.1	.4	.2		.1	.1							86	86	33	15
70/ 69		1.2	3.7	.9	.1	.9	.5	.3	.4	.2	.1							77	77	57	37
68/ 67		1.8	3.4	1.4	.6	.5	.6	.5	.2	.2								88	88	61	51
66/ 65		2.4	2.5	1.5	1.1	1.1	.2	.5	.3									89	89	65	53
64/ 63	.4	2.9	1.9	1.3	.6	.5	.8	.5	.2									86	86	69	68
62/ 61	.4	3.8	.8	1.4	.8	1.3	1.2	.1	.3									91	91	81	57
60/ 59	.4	1.4	1.7	1.9	1.3	1.2	.6	.1	.1									79	79	91	72
58/ 57		1.5	1.5	1.1	1.4	.9	.5	.2										66	66	56	58
56/ 55		.8	1.5	1.6	.8	.9	.1											52	52	69	33
54/ 53	.1	.4	.5	.9	.5	.3	.1	.1										28	28	65	56
52/ 51		.8	1.1	.4	.8	.3												31	31	70	42
50/ 49		.4	.3	.1	.5	.4												17	17	64	51
48/ 47		.8	.2	.6	.1													16	16	46	41
46/ 45		.2	.5		.2													9	9	27	43
44/ 43		.4	.6	.3		.1												14	14	24	47
42/ 41		.3	.1	.1														5	5	24	33
40/ 39			.2	.3	.2													7	7	10	43
38/ 37			.1	.2														3	3	3	31
36/ 35																				5	30
34/ 33																				6	16
32/ 31																				1	22
30/ 29																					7
28/ 27																					8
26/ 25																					5
24/ 23																					4
22/ 21																					2
20/ 19																					3
18/ 15																					1
Element (X)	Σ X'		Σ X		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

69-70, 73-80

MAR
MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

<u>12976</u>	<u>ELLINGTON AFB TX</u>
STATION	STATION NAME

69-70, 73-80

YEARS

MAR
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

12906	ELLINGTON AFB TX
STATION	STATION NAME

69-70, 73-80

YEARS

MAR
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

12906 ELLINGTON AFB TX
STATION STATION

69-70, 73-80

MAR
MONTH

PAGE 2

ALL
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

12906
STATION

ELLINGTON AFB TX
STATION NAME

69-70, 73-80

YEARS

APR
MONTH

PAGE 1

0000-0203
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12976 ELLINGTON AFB TX

69-70, 73-80

APR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0600-0800

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
80/ 79				.1														1	1		
78/ 77		.1	.6	.4														10	10		
76/ 75	.1	1.0	2.9	.2	.1		.1											39	39	3	1
74/ 73		2.7	3.9	1.2	.1	.1												72	72	25	8
72/ 71	.4	3.9	6.2	1.1	.2	.3												110	110	71	45
70/ 69	1.0	4.0	5.3	.9	.1													102	102	87	90
68/ 67	.3	4.4	2.9	.9	.7													83	83	107	73
66/ 65	.6	5.4	2.1	1.6	.6	.3	.1											96	96	93	102
64/ 63	.3	3.4	1.9	.7	.7	.1												64	64	78	83
62/ 61	.6	3.8	2.2	1.1	.6	.2												76	76	72	66
60/ 59	.1	2.8	2.4	.6	.4	.4	.1											62	62	71	60
58/ 57	.2	2.0	1.8	.8	.2													45	45	60	78
56/ 55		2.0	2.2	.3	.1		.1											43	43	58	43
54/ 53	.1	1.0	1.1	.4	.3	.1												28	28	47	49
52/ 51	.1	1.1	.7	.2	.1	.1												21	21	40	45
50/ 49		.8	.2	.3	.1													13	13	28	38
48/ 47		.4	.1	.3	.3													11	11	14	31
46/ 45		.7	.1															7	7	13	20
44/ 43		.6	.1	.3	.1													10	10	12	15
42/ 41		.2	.1															3	3	7	12
40/ 39				.2														2	2	6	12
38/ 37		.1																1	1	4	6
36/ 35		.1																1	1	2	5
34/ 33																				2	1
32/ 31																					8
30/ 29																					1
28/ 27																					2
26/ 25																					2
24/ 23																					1
TOTAL	3.9	40.6	36.8	11.8	4.8	1.8	.4											900	900		900
																		900		900	
Element (X)	Σ x'		Σ x		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.	6346728		74948		83.3		10.827		900		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total				
Dry Bulb	3805431		58111		64.6		7.702		900				41.7	12.2				900			
Wet Bulb	3461161		55343		61.5		8.032		900				29.3	2.8				900			
Dew Point	3239115		53341		59.3		9.297		900			1.4	21.7	.9				900			

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

0900-1100
HOURS (1-8-7)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb		Dew Point		
84/ 83				.1	.1	.1			.1									4	4				
82/ 81			.2	.4	1.6	.8	.3											30	30				
80/ 79			.6	2.0	3.3	1.0	.3		.1	.1	.2							76	76				
75/ 77		.1	1.8	3.1	2.6	1.9	1.6	1.2	.2	.1								113	113	4			
75/ 75		.1	3.1	4.0	2.4	1.9	.9	.4	.1	.1								118	118	16	6		
74/ 73		.6	3.1	4.6	3.0	1.0	1.0	.8	.3	.1	.1							131	131	73	13		
72/ 71		1.9	1.9	1.8	1.7	1.0	1.7	.9	.1	.3								101	101	102	50		
70/ 69	.2	1.8	2.8	1.4	.7	1.2	1.1	.9										91	91	109	112		
68/ 67		1.9	1.7	1.7	1.1	.3	1.0	.3	.2									74	74	128	83		
66/ 65		1.1	1.2	.6	.9	.9	.7	.7										54	54	106	93		
64/ 63		.7	.6	.7	.4	.4	.2	.2										29	29	79	94		
62/ 61		.4	.7	.3	.1	.3	.3	.1	.1									22	22	62	70		
60/ 59		.4	.1	.4	.1	.1			.1									12	12	59	67		
58/ 57		.1	.4	.4	.3	.3	.3	.1										19	19	50	54		
56/ 55			.2	.1	.1	.1	.2											7	7	28	37		
54/ 53		.2		.1	.1	.2	.1											7	7	31	31		
52/ 51				.1			.1											2	2	15	35		
50/ 49		.1	.2		.3	.2												8	8	7	37		
48/ 47																				12	22		
46/ 45					.1													1	1	6	23		
44/ 43																				4	20		
42/ 41																				5	6		
40/ 39																				2	11		
38/ 37																				1	9		
36/ 35																					7		
34/ 33																					2		
32/ 31																					7		
30/ 29																					1		
28/ 27																					2		
26/ 25																					6		
24/ 23																					1		
TOTAL	.2	9.5	18.6	21.9	19.0	11.9	9.9	6.5	1.4	.8	.3							899		899	899		
																		899		899			
Element (X)	Σx'			Σx			Σ			Σ ₂			No. Obs.			Mean No. of Hours with Temperature							
Rel. Hum.	4392710			61238			68.1			15.698			899			≤ 0 F	≤ 32 F	≥ 47 F	≥ 73 F	≥ 80 F	≥ 93 F	Total	
Dry Bulb	4661761			64479			71.7			6.430			899					73.9	47.3	6.8		90	
Wet Bulb	3816309			58235			64.8			6.999			899					43.2	9.3			90	
Dew Point	3320742			53928			60.0			9.774			899				1.7	26.4	1.9			90	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12906 ELLINGTON AFB TX
STATION STATION NAME

69-70.73-80
YEARS

APR
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point											
88/ 87					.1			.1	.1	.1								4	4												
86/ 85			.1		.1	.4	.1	.2	.1	.2	.2	.1						15	15												
84/ 83				.2	.3	1.3	1.0	.4	.2	.6		.1						38	38												
82/ 81			.2	1.4	2.8	2.6	1.8	.8	.4	.7	.1	.3						100	100												
80/ 79			.6	1.7	3.3	3.2	2.0	2.2	2.0	.3	.3							141	141												
78/ 77		.1	.7	2.6	4.0	1.9	2.0	1.2	1.6	.7	.1	.3						136	136												
76/ 75		.2	1.9	2.0	1.3	2.1	1.0	2.6	.9	.6	.6	.1						119	119												
74/ 73		.3	.9	2.8	1.8	1.3	1.0	.9	1.0	.6	.1							96	96												
72/ 71		.7	1.4	1.4	.4	.6	.8	.4	.6	.1								58	58												
70/ 69		1.1	1.4	1.4	.1	1.1	.9	.4	.4	.1	.1							65	65												
68/ 67		.7	.8	.6	.3	.4	.7	.3	.1	.2								37	37												
66/ 65		1.0	.8	.6	.1	.1	.8	.1	.4									35	35												
64/ 63		.4	.2	.1	.1		.1	.1	.1									11	11												
62/ 61		.3			.2	.3	.2	.2	.1									13	13												
60/ 59		.3	.3		.4	.1		.3										14	14												
58/ 57		.1	.3				.3	.1										8	8												
56/ 55		.3	.2			.1												6	6												
54/ 53						.1												1	1												
52/ 51			.3															3	3												
50/ 49																															
48/ 47																															
46/ 45																															
44/ 43																															
42/ 41																															
40/ 39																															
38/ 37																															
36/ 35																															
34/ 33																															
32/ 31																															
30/ 29																															
28/ 27																															
26/ 25																															
TOTAL		5.7	10.2	14.8	15.6	15.7	12.8	10.6	8.1	4.1	1.6	1.0						900													
Element (X)	Σ X'			Σ X			Σ			Σ			No. Obs.			Mean No. of Hours with Temperature										Total					
Rel. Hum.	3599125			54787			60.9			17.136			900			≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F										
Dry Bulb	5102965			67537			75.0			6.232			900					80.9	64.9	23.0					900						
Wet Bulb	3931054			59192			65.8			6.507			900					46.5	12.9	.2					900						
Dew Point	3282511			53627			59.6			9.844			900				1.9	25.3	2.6						900						

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12906 ELLINGTON AFB TX 69-70,73-80 APR
STATION MONTH
PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
90/ 89											.1		.1			.1		3	3				
88/ 87						.1		.1			.1							3	3				
86/ 85					.1	.2		.2	.1	.2	.1	.2						11	11				
84/ 83				.2	.3	.8	.3	.4	.3	.2	.2		.2					28	28				
82/ 81		.1	.2	.8	2.1	1.8	1.2	.9	.8	.6	.1	.4						81	81				
80/ 79		.1	.3	1.7	3.9	1.7	1.3	.9	1.0	.6	.2	.1						106	106	3			
78/ 77		.1	1.7	3.3	3.7	2.3	1.4	1.1	2.3	1.6	.3	.3	.2					166	166	6	3		
76/ 75		.2	2.3	3.7	2.6	3.9	1.3	1.8	1.4	.7	.3							164	164	22	5		
74/ 73			1.0	2.2	1.4	1.2	.6	1.1	.7	.2								76	76	88	20		
72/ 71		1.4	1.2	2.0	1.0	.8	.8	1.0	.7		.2							82	82	100	51		
70/ 69		.8	.9	1.8	.3		.3	.6	.2	.1	.4							49	49	120	98		
68/ 67		.9	1.9	.3	.2	.6	.7	.2	.1	.4								48	48	111	66		
66/ 65		.7	.3	.6	.1	.1	.6	.3		.1								25	25	112	92		
64/ 63		.4	.1	.2	.1	.6	.2	.2	.3									20	20	88	81		
62/ 61		.7	.1	.3	.3	.1	.1	.1	.2									18	18	64	88		
60/ 59		.2	.1	.1	.2			.3										9	9	63	63		
58/ 57		.1	.3															4	4	40	42		
56/ 55		.3	.1															4	4	27	37		
54/ 53																				21	32		
52/ 51																				17	44		
50/ 49			.2	.1														3	3	5	31		
48/ 47																				6	41		
46/ 45																				6	28		
44/ 43																				1	22		
42/ 41																					10		
40/ 39																					8		
38/ 37																					10		
36/ 35																					4		
34/ 33																					4		
32/ 31																					7		
30/ 29																					9		
28/ 27																					3		
26/ 25																					1		
Element (X)	Σ X'		Σ X		Σ		°A		No. Obs.		Mean No. of Hours with Temperature										Total		
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F			Total				
Dry Bulb																							
Wet Bulb																							
Dew Point																							

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1. 7. 0 ELLINGTON AFB TX
STATION STATION NAME

69-70, 73-80
YEARS

APR
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
66/ 85													.1					1	1						
65/ 81						.1			.1		.1							3	3						
64/ 79	.1		.1	.4	.1	.4	.1	.2										14	14	1	1				
72/ 77	.2	.7	1.6	1.1	.7	.7	.4			.1	.2							51	51	2	2				
76/ 75		2.0	4.8	2.4	1.2	.7	.7	.3	.7	.1								116	116	7	5				
74/ 73		1.6	5.6	3.8	1.3	1.6	.7	.4	.1	.1								136	136	54	11				
72/ 71	.1	2.3	3.3	3.7	2.7	.8	.4	.7	.2	.2								118	118	90	57				
71/ 69		.9	5.3	3.8	1.8	.9	1.4	.3	.1									131	131	84	84				
68/ 67		.9	4.7	2.1	1.1	1.3	.7	.6	.1	.2								105	105	100	66				
66/ 65		2.1	1.4	1.6	1.1	.3	.7	.3										68	68	114	80				
64/ 63		1.2	.3	1.3	.4	.3	.2	.2	.2									36	36	111	98				
62/ 61		.6	.7	1.3	1.3	.6	.4	.1										45	45	80	90				
60/ 59		.3	.4	1.1	.4	.1	.4											25	25	60	73				
58/ 57	.2	.1	.8	.7	.1	.2	.2	.1										22	22	52	49				
56/ 55		.1	.6		.1	.2	.1											10	10	44	42				
54/ 53		.3		.4	.4		.1											12	12	39	39				
52/ 51				.1	.1													2	2	23	42				
50/ 49			.1															1	1	10	31				
48/ 47			.2	.2														4	4	17	39				
46/ 45																				7	17				
44/ 43																				4	17				
42/ 41																				1	16				
40/ 39																					8				
38/ 37																					13				
36/ 35																					6				
34/ 33																					5				
32/ 31																					2				
30/ 29																					2				
28/ 27																					2				
TOTAL	.7	13.1	29.9	23.0	12.3	8.2	6.7	3.3	1.6	.8	.3		.1					900		900	900				
																		900		900					
Element (X)	Σ x ²		Σ x		x		x ²		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.	4886622		64810		72.0		15.629		900		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb	4383475		62589		69.5		5.856		900				67.5	32.1	.8		90								
Wet Bulb	3693070		57328		63.7		6.786		900				33.8	6.4			90								
Dew Point	3267769		53561		59.5		9.447		900				.9	22.6	1.9		90								

PSYCHROMETRIC SUMMARY

<u>12906</u>	<u>ELLINGTON AFB TX</u>
STATION	STATION NAME

69-70, 73-80

YEARS

APR
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

12906 ELLINGTON AFB TX
STATION STATION NAME

69-70, 73-80

YEARS

APR

MONTH

PAGE 1

A I L

ALL
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
DA AG
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

<u>12906</u>	<u>ELLINGTON AFB TX</u>
STATION	STATION NAME

69-70, 73-80

YEARS

MAY
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

[illegible]

2

PSYCHROMETRIC SUMMARY

MAY
MONTH

HOURS (L, S, T)

JSAFETAC
FORM 0-26-5 (OLA)
JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

2

4

4

4

4

USAFETAC FORM 0-26-5 (OLA)
JAN 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12906 ELLINGTON AFB TX

69-70.73-80

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point				
90/ 89								.1	.1			.1							3	3				
88/ 87					.4	1.3	.9	1.2	.5		.1								41	41				
86/ 85			.3	.9	2.0	3.0	2.0	1.0	.4		.2	.1	.1	.1					95	95				
84/ 83			.6	1.8	3.8	4.0	2.4	1.1	.4				.1						132	134				
82/ 81		.1	.8	3.8	5.7	4.2	1.6	.3	.1		.1	.1							156	156	7			
80/ 79			1.4	4.1	4.4	4.1	1.0	1.2	.4	.2									156	156	20	6		
78/ 77	.1	.6	1.3	3.6	3.0	1.3	.8	.6	.4	.2									111	111	69	22		
76/ 75	.4	.5	2.0	2.2	1.4	1.0	1.0	.5	.2	.3									89	89	148	48		
74/ 73	.1	.5	1.3	1.2	.5	.6	.4	.4	.2										50	50	196	85		
72/ 71	.2	.8	1.1	.5	.4	.3	.4	.4	.1										40	40	169	155		
70/ 69			.8		.1	.2	.1	.1	.1										13	13	104	136		
68/ 67		.2	.5	.1	.1	.1	.1	.1											12	12	55	128		
66/ 65		.3	.2	.1	.2	.2	.1												11	11	47	101		
64/ 63		.2	.4	.4		.2													12	12	36	60		
62/ 61			.1	.1	.1														3	3	32	35		
60/ 59				.1															1	1	15	27		
58/ 57																					18	25		
56/ 55		.3																	3	3	7	21		
54/ 53																					5	26		
52/ 51																						12		
50/ 49																						11		
48/ 47																						12		
46/ 45																						2		
44/ 43																						8		
42/ 41																						4		
40/ 39																						2		
TOTAL	.9	3.7	10.9	18.9	22.3	20.6	10.8	7.1	3.1	.8	.4	.3	.2	.1					928	930	928	928		

PSYCHROMETRIC SUMMARY

12906 ELLINGTON AFB TX
STATION STATION

69-70, 73-80

YEARS

MAY
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12956 ELLINGTON AFB TX

69-70, 73-80

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1500-1700

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
96/ 95															.2			2	2		
94/ 93															.2			2	2		
92/ 91						.1		.1	.3	.3	.1		.1					10	10		
90/ 89					.3	.6	.8	.8	1.0	.9		.2		.2	.1			45	45		
88/ 87					.3	2.2	1.8	2.0	1.8	.4				.1				81	81		
86/ 85			.1	.6	1.7	4.7	2.7	2.4	1.1	.8	.1							132	132		
84/ 83			.2	2.4	3.1	4.9	2.9	2.6	1.0	.5	.2	.1						167	167		
82/ 81			1.1	1.9	3.8	3.9	2.5	1.4	.9	.2	.4							149	149	8	
80/ 79			.6	1.9	2.4	2.9	1.6	.9	.8	.6	.4							113	113	22	6
78/ 77		.2	1.2	1.4	1.7	1.1	1.0	.6	1.2	.6	.1							85	85	96	13
76/ 75		.5	.4	1.3	.6	.6	.1	.3	.4	.3								44	44	127	57
74/ 73		.2	1.0	.5	.1	.1	.1	.6	.1									26	26	192	76
72/ 71		1.0	2.0	.3		.2	.2											35	35	144	121
70/ 69	.1	.8	1.0			.1	.1											19	19	126	129
68/ 67		.4	.4															8	8	82	110
66/ 65				.2	.1	.2												5	5	45	126
64/ 63				.3														3	3	26	77
62/ 61				.1														1	1	31	60
60/ 59																				17	29
58/ 57		.1	.1															2	2	10	19
56/ 55		.1																1	1	2	21
54/ 53																				2	23
52/ 51																					20
50/ 49																					19
48/ 47																					17
46/ 45																					9
44/ 43																					2
42/ 41																					2
TOTAL	.1	3.3	8.2	11.1	14.2	21.7	13.8	11.7	8.5	4.7	1.4	.3	.1	.5	.3			930	930		930
																		930		930	
Element (X)	Σ X'		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		
Rel. Hum.	3693070		56958		61.2		14.843		930		± 0 F		± 32 F		± 67 F		± 73 F		± 80 F		
Dry Bulb	6191884		75716		81.4		5.437		930				91.8		85.6		65.7		.4		
Wet Bulb	4765947		66421		71.4		4.881		930				79.7		44.5		1.2				
Dew Point	4104307		61415		66.0		7.233		930				50.8		14.8		.1				

PSYCHROMETRIC SUMMARY

<u>12976</u>	<u>ELLINGTON AFB TX</u>
STATION	STATION NAME

69-70, 73-80

YEARS

MAY

MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

<u>12906</u>	<u>ELLINGTON AFB TX</u>
STATION	STATION NAME

69-70, 73-80

YEARS

MAY
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12906 ELLINGTON AFB TX

69-70, 73-80

MAY

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
96/ 95											.0				.0			3	3	
94/ 93										.0	.0				.1			6	6	
92/ 91						.0	.0	.0	.1	.1	.0	.0	.0		.0			27	27	
90/ 89					.1	.2	.2	.4	.3	.2	.0	.1			.0	.0		112	112	
88/ 87				.0	.2	.8	.9	.7	.5	.1	.1		.0	.0				254	254	
86/ 85			.1	.3	.8	1.6	1.0	.8	.3	.2	.1	.0	.0	.0				384	384	
84/ 83			.1	.9	1.5	2.1	1.2	.7	.4	.1	.1	.0	.0					528	530	
82/ 81		.1	.6	1.3	1.8	1.7	.9	.4	.2	.1	.1	.0						540	540	27
80/ 79		.5	1.5	2.2	1.6	1.4	.6	.5	.2	.2	.1							647	647	90
78/ 77	.0	1.9	2.8	2.1	1.5	.5	.4	.3	.3	.2	.0							747	747	357
76/ 75	.2	2.5	4.2	2.3	.9	.4	.2	.3	.2	.1	.0							833	833	773
74/ 73	.4	3.3	4.1	1.7	.3	.2	.2	.2	.0	.0								705	705	1156
72/ 71	.5	3.1	4.4	.9	.4	.3	.2	.1	.1									737	737	1155
70/ 69	.5	3.3	3.6	.5	.3	.1	.1	.0	.0									625	625	1039
68/ 67	.4	2.3	2.5	.4	.3	.1	.1	.0										451	451	911
66/ 65	.2	1.8	.9	.5	.3	.2	.0											294	294	584
64/ 63	.1	.9	.7	.6	.1	.1												185	185	428
62/ 61	.1	.4	.8	.4	.1													130	130	288
60/ 59	.0	.2	.9	.2	.0													100	100	200
58/ 57		.2	.6	.1														69	69	198
56/ 55		.2	.3	.0														37	37	120
54/ 53		.0	.2															16	16	66
52/ 51		.0	.1															8	8	28
50/ 49																				14
48/ 47																				4
46/ 45																				
44/ 43																				
42/ 41																				
40/ 39																				
TOTAL	2.2	19.7	28.2	14.4	10.3	9.6	6.0	4.6	2.8	1.4	.5	.1	.1	.1	.1			7438	7440	7438
																		7438		7438
Element (X)	Σ x ²		Σ x		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.	43730735		558339		75.1		15.638		7438		Σ 0 F		Σ 32 F		Σ 67 F		Σ 73 F		Σ 80 F	
Dry Bulb	42470075		559513		75.2		7.267		7440						660.1		478.8		219.4	
Wet Bulb	35995349		515721		69.3		5.649		7438						550.9		240.4		5.3	
Dew Point	32849078		491724		66.1		6.775		7438						418.6		104.5		.6	

PSYCHOMETRIC SUMMARY

YEARS

JUN
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

12906 ELLINGTON AFB TX
STATION STATION

69-70, 73-80

JUN
MONTH

PAGE 1

0300-0500
HOURS (L-S-T)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

[illegible]

YEARS

PAGE 1 C900-1100
HOURS (L S T)

[illegible]

PSYCHROMETRIC SUMMARY

<u>12906</u>	<u>ELLINGTON AFB TX</u>
STATION	STATION NAME

69-70, 73-80

YEARS

JUN
MONTH

PAGE 1

1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

JUN

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
98/ 97									.4	.2								6	6					
96/ 95							.1	.2	.6	.6	.2	.3						18	18					
94/ 93						.3	1.4	.9	.8	1.4	.2		.1					47	47					
92/ 91					.1	2.2	2.7	3.1	2.6	1.8	.3	.1	.1					117	117					
90/ 89					.6	3.3	7.2	6.6	2.3	1.2	.6	.2						198	198					
88/ 87				.3	.7	6.2	5.8	2.0	2.1	1.2	.4							169	169					
86/ 85			.2	1.0	3.1	4.4	2.2	1.3	.6	1.0	.4							129	129	1				
84/ 83			.1	1.2	2.0	1.7	1.0	.7	.2	1.2	.2	.2						77	77	7				
82/ 81			.3	1.3	1.4	.9	.2	.2	.3	.2		.1						46	46	63	3			
80/ 79			.4	2.1	.9	.1	.1	.1	.2	.3								39	39	113	20			
78/ 77		.3	.4	.8	.2	.1			.1									18	18	230	44			
76/ 75		.3	1.0	.3	.2													17	17	180	124			
74/ 73		.4	.3	.7						.1								14	14	132	154			
72/ 71			.1															1	1	80	187			
70/ 69			.1															1	1	35	111			
68/ 67																				26	82			
66/ 65		.3																3	3	18	54			
64/ 63																				10	32			
62/ 61																				3	24			
60/ 59																				1	14			
58/ 57																					6			
56/ 55																				1	21			
54/ 53																					1			
52/ 51																					9			
50/ 49																					1			
48/ 47																					2			
46/ 45																					1			
44/ 43																					1			
42/ 41																					1			
TOTAL		1.4	3.1	7.8	9.2	19.3	20.9	15.1	10.2	9.3	2.4	1.0	.2					900	900	900	900			
Element (X)	Σ x ²		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x			
Rel. Hum.	3227176		52716		58.6		12.453		900		Σ 0 F		Σ 32 F		Σ 67 F		Σ 73 F		Σ 80 F		Σ 93 F			
Dry Bulb	6827552		78268		87.0		4.835		900						89.7		89.5		82.4		7.1			
Wet Bulb	5143867		67945		75.5		4.002		900						86.7		72.6		10.7					
Dew Point	4465945		63177		70.2		5.885		900						72.5		34.5		.8					

PSYCHROMETRIC SUMMARY

YEARS

JUN.
MONEY

PAGE 1 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
56/ 95									.2									2	2				
54/ 93								.2										2	2				
92/ 91							.2	.3	.1	.1								9	9				
90/ 89					.9	1.1	1.3	1.0				.1						40	40				
88/ 87				.2	1.0	4.2	1.6	.9	.3	.3								77	77				
86/ 85			.8	1.4	3.4	5.3	1.8	1.1	.4	.1								130	130				
84/ 83		.1	1.1	4.3	6.2	3.0	.9	.9	.1	.1	.1							152	152				
82/ 81		.4	2.4	5.8	6.3	1.8	1.2	.6	.4	.3								174	174	36	1		
80/ 79		.2	3.0	5.7	2.1	1.2	.7	.3	.3		.1							123	123	53	23		
78/ 77		1.0	2.6	3.8	1.2	.8	.1	.3	.2									90	90	174	40		
76/ 75		.3	1.8	1.0	.3	.6	.2	.4	.2									44	44	225	124		
74/ 73		.6	1.2	.8	.3	.2	.1											29	29	189	154		
72/ 71	.2		1.1	.1	.1		.2											16	16	86	218		
70/ 69		.2	.2		.1		.1											6	6	57	117		
68/ 67		.2																2	2	33	78		
66/ 65		.1																1	1	20	44		
64/ 63	.1	.2																3	3	14	26		
62/ 61																				7	25		
60/ 59																				6	11		
58/ 57																					5		
56/ 55																					13		
54/ 53																					5		
52/ 51																					7		
50/ 49																					3		
48/ 47																					1		
46/ 45																					1		
TOTAL	.3	3.4	14.2	23.1	22.1	18.2	8.4	6.0	2.7	1.0	.3	.1						900	900	900	900		
Element (X)	Σx^2		Σx		\bar{x}		s_x		No. Obs.		Mean No. of Hours with Temperature										Total		
Rel. Num.	4467960		62496		69.4		11.943		900		≤ 0 F		≤ 32 F		≈ 67 F		≈ 73 F		≈ 80 F		≈ 93 F		Total
Dry Bulb	6056540		73716		81.9		4.562		900						89.6		87.2		65.5		.4		900
Wet Bulb	4973582		66808		74.2		3.995		900						85.3		67.7		5.7				900
Dew Point	4510141		63527		70.6		5.383		900						75.5		34.2		1.3				900

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

12976 ELLINGTON AFB TX

69-70, 73-80

JUN

STATION

STATION NAME

YEARS

PER MONTH

PAGE 1

2100-2300

200-250
HOURS (L-S-T)

[illegible]

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12906
STATIONELLINGTON AFB TX
STATION NAME69-70,73-80
YEARSJUN
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																
98/ 97									.1	.0	.0							11	11																	
96/ 95								.1	.3	.1	.1	.1						49	49																	
94/ 93						.1	.4	.5	.3	.2	.0			.0	.0			110	110																	
92/ 91					.0	.6	1.0	1.3	.8	.3	.1	.1	.0					309	309																	
90/ 89					.4	1.2	2.6	2.5	.7	.3	.2	.1	.0					574	574																	
88/ 87				.2	.8	3.1	2.4	.7	.6	.3	.1							600	600																	
86/ 85		.0	.4	.7	1.9	3.0	1.1	.6	.3	.2	.2							604	604													1				
84/ 83		.4	.6	1.7	2.4	1.0	.5	.3	.1	.2	.1	.1						542	542												12					
82/ 81		.7	1.8	2.5	1.8	.6	.4	.2	.2	.2	.0	.0						608	608												287	31				
80/ 79	.1	1.8	4.6	3.1	1.0	.4	.2	.1	.2	.1	.0							827	827												522	169				
78/ 77	.1	2.3	5.2	2.6	.7	.2	.1	.2	.1	.0								825	825												1245	375				
76/ 75	.2	2.7	5.5	1.6	.3	.2	.1	.1	.0									776	779												1457	890				
74/ 73	.2	2.7	3.0	1.1	.2	.2	.1	.0		.0								544	548												1285	1329				
72/ 71	.1	1.9	2.2	.4	.2	.1	.0											363	363												945	1509				
70/ 69	.1	.8	1.2	.2	.3	.2	.0											204	204												562	1020				
68/ 67	.0	.5	.6	.2	.2													100	100												308	636				
66/ 65	.0	.5	.2	.2	.1													74	74												220	380				
64/ 63	.0	.3	.1	.2	.0													43	43												163	235				
62/ 61		.1	.1	.0														17	17												98	179				
60/ 59		.1	.1															10	10												53	111				
58/ 57			.0															1	1												26	86				
56/ 55																															6	102				
54/ 53																															1	72				
52/ 51																																	47			
50/ 49																																		8		
48/ 47																																		7		
46/ 45																																		1		
44/ 43																																		1		
42/ 41																																		1		
40/ 39																																		1		
TOTAL		.8	14.8	25.7	14.7	10.5	10.8	9.0	6.6	3.7	2.1	.8	.3	.1	.0			7191	7198													7191	7191			
Element (X)	Σ x'			Σ x			Σ			σ _s			No. Obs.			Mean No. of Hours with Temperature																				
Rel. Hum.	39998760			525278			73.0			15.052			7191			≤ 0 F			≤ 32 F			≥ 67 F			≥ 73 F			≥ 80 F			≥ 93 F			Total		
Dry Bulb	47008494			579634			80.5			6.795			7198									705.5			638.8			381.7			17.0			720		
Wet Bulb	39227005			530101			73.7			4.558			7191									663.2			481.5			48.4						720		
Dew Point	35950817			506947			70.5			5.435			7191									596.6			279.7			10.0						720		

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

<u>12956</u> STATION	<u>ELLINGTON AFB TX</u> STATION NAME
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69-70, 73-80

YEARS

4111

MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

<u>12906</u>	<u>ELLINGTON AFB TX</u>
STATION	STATION NAME

69-70, 73-80

YEARS

4111

MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

<u>12906</u>	<u>ELLINGTON AFB TX</u>
STATION	STATION NAME

69-70, 73-80

YEARS

3960

MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

JUL

YEARS

MONTH

PAGE 1

1200-1400

1200-1400
HOURS (L. S. T.)

[illegible]

2

2

YEARS

JUL
MONTH

1970-1971
HOURS (L. S. T.)

USAFETAC
FORM
JAN 64
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

12906
STATIC

ELLINGTON AFB TX

STATION NAME

69-70, 73-80

YEARS

JUL
MONTH

PAGE 1

1600-2000
HOURS (L-S-T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
94 / 93							.2	.5	.3	.1								11	11			
92 / 91						.5	1.1	1.7	1.3									43	43			
90 / 89					.5	2.2	3.7	1.7										75	75			
88 / 87				.2	2.6	6.8	4.5	.2										133	133			
86 / 85	.1	.1	.6	3.3	7.2	6.5	.9	.1	.1									176	176	1	1	
84 / 83		.3	2.2	6.4	7.3	1.9	.1	.1										170	170	2	1	
82 / 81		.2	3.7	6.7	2.6	.2												124	124	48	7	
80 / 79	.1	.3	3.3	4.3	1.3	.1	.1											86	86	150	23	
78 / 77		1.8	2.3	1.1	.2													50	50	317	107	
76 / 75		1.5	2.2	.5	.2													41	41	249	206	
74 / 73	.1	.8	.6	.1														15	15	119	263	
72 / 71		.2																2	2	38	199	
70 / 69		.1																1	1	9	102	
68 / 67																				2	18	
66 / 65																					5	
64 / 63																					4	
TOTAL	.3	5.4	14.9	22.7	21.7	18.2	10.6	4.4	1.7	.1								927	927	927	927	

PSYCHROMETRIC SUMMARY

<u>12900</u>	<u>ELLINGTON AFB TX</u>
STATION	STATION NAME

69-70, 73-80

YEARS

4431

MONTH

PAGE 1 2100-238
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SU

12906 ELLINGTON AFB TX

69-70, 73-87

STATION

STATION NAME

YEARS

PAGE 1

[illegible]

PSYCHROMETRIC SUMMARY

AUG
MONTH

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

<u>12906</u>	<u>ELLINGTON AFB TX</u>
STATION	STATION NAME

69,72-80

YEARS

AUG

MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

12906 ELLINGTON AFB TX
STATION STATION

69,72-80

AUG
MONTH

PAGE 1

0600-0800
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

69,72-80

YEARS

AUG
MONTH

PAGE 1 3900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

12906 ELLINGTON AFB TX
STATION STATION

69,72-80

AUG
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

<u>12906</u>	<u>ELLINGTON AFB TX</u>
STATION	STATION NAME

69,72-80

YEARS

AUG
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

12906 ELLINGTON AFB TX
STATION STATION NAME

69,72-80

YEARS

AUG

MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

2400-250
HOURS (1 8 7)

[illegible]

2

•

YEARS

PAGE 1

ALL

ALL
HOURS (L. S. T.)

USAFETAC
FORM
SA 44
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

<u>12906</u>	<u>ELLINGTON AFB TX</u>
STATION	STATION NAME

69,72-80

YEARS

SEP
MONTH

PAGE 1

0000-0200
HOURS (L - S - T)

[illegible]

PSYCHROMETRIC SUMMARY

<u>12906</u>	<u>ELLINGTON AFB TX</u>
STATION	STATION NAME

69,72-80

YEARS

SEP
MONTH

PAGE 1

0300-0500
HOURS (L. S. T.)

[illegible]

ALL PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

POEM

USAFETAC

PSYCHROMETRIC SUMMARY

12926
STATION

ELLINGTON AFB TX

69,72-80

SEP

STATION

STATION NAME

YEARS

MONTH

PAGE 1

7675-286.

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

69,72-80

YEARS

SEP
MONTH

PAGE 1 3900-11
HOURS (L. S. T.)

[illegible]

AD-A110 045

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
ELLINGTON AFB, HOUSTON, TEXAS REVISED UNIFORM SUMMARY OF SURFAC--ETC(U)
AUG 81
USAFETAC/DS-81/087

UNCLASSIFIED

SBI-AD-E850 11*

NL

5 - 5

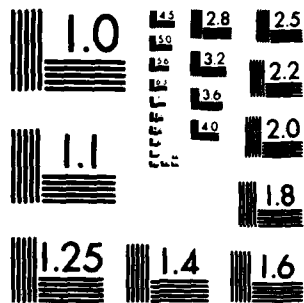
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DATE

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DTIC



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963-A.

2

2

SEP

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1200-1400
HOURS (L. S. T.)

USAFETAC
FORM
28-14
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

SEP
MONTH

YEARS

HOURS (L, S, T,)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
100/ 99												.2						2	2				
96/ 95									.2	.6	.1							8	8				
94/ 93							.1	.2	.6	.9								16	16				
92/ 91					.1	.2	1.8	2.6	1.0	.4								55	55				
90/ 89					.3	2.1	4.7	3.2	.9	.4	.3	.3	.1					112	112				
88/ 87				.3	1.9	7.6	4.1	2.1	1.1	.4	.1							159	159				
86/ 85			.1	2.8	4.2	4.0	1.4	1.7	1.0	.7								143	143				
84/ 83			1.3	4.2	3.7	.9	1.4	1.3	1.4	.3								132	132	2			
82/ 81		.1	1.4	2.3	1.0	1.4	.9	.6	.8	.4	.2							83	83	18	1		
80/ 79	.1	.8	2.3	1.3	.3	.3	.4	.7	.2	.1	.2							62	62	142	11		
78/ 77		.8	1.9	.8	.9	.7	.6	.7	.4	.2								62	62	240	70		
76/ 75	.1	.9	.7	.2	.2	.1	.7		.1									27	27	173	162		
74/ 73	.3	.9	.8	.2	.1													21	21	101	175		
72/ 71	.2	.6				.2												9	9	77	143		
70/ 69		.1	.1		.2			.2										6	6	52	84		
68/ 67				.2			.1											3	3	39	53		
66/ 65																				21	48		
64/ 63																				19	27		
62/ 61																				8	29		
60/ 59																				5	34		
58/ 57																				2	21		
56/ 55																				1	16		
54/ 53																					5		
52/ 51																					11		
50/ 49																					1		
48/ 47																					3		
46/ 45																					6		
TOTAL	.8	4.1	8.7	12.4	13.0	17.6	16.2	13.2	7.8	4.6	1.0	.6	.1						900	900	900		
																		900		900			
Element (X)	Σ x'		Σ x		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature												
Rel. Num.	3825867		57233		63.6		14.395		900		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb	6449621		76049		84.5		5.120		900						90.0		88.2		74.6		2.6		90
Wet Bulb	5054549		67327		74.8		4.470		900						84.4		67.6		6.3				90
Dew Point	4473255		63181		70.2		6.491		900						69.9		41.9		.7				90

PSYCHROMETRIC SUMMARY

12906
STAT

ELLINGTON AFB TX

69,72-80

SEP

PAGE 1

1800-2000

1000-200
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12906 ELLINGTON AFB TX

69,72-80

SEP

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point																
100/ 99													.0																			2	2			
98/ 97													.0																			2	2			
96/ 95													.0																			12	12			
94/ 93												.0	.2	.1	.1	.0																38	38			
92/ 91							.0	.2	.9	.9	.4	.2			.0	.0																192	192			
90/ 89						.1	1.0	1.5	1.3	.2	.2	.0	.1	.0																		317	317			
88/ 87					.1	1.0	2.3	1.3	.5	.3	.1	.1																				397	397			
86/ 85				.1	1.3	2.3	1.8	.6	.6	.2	.1	.0																				503	503			
84/ 83			.0	.9	2.5	1.5	.6	.7	.4	.4	.1	.0	.0																			510	510	5		
82/ 81	.0	.2	2.3	2.2	.8	.5	.5	.3	.2	.1	.1																					506	506	77	6	
80/ 79	.1	1.8	4.0	1.7	.7	.6	.2	.2	.1	.0	.0																					683	684	581	55	
78/ 77	.5	4.7	5.2	1.1	.7	.4	.3	.2	.1	.1																						944	949	1140	505	
76/ 75	1.3	6.8	4.1	1.2	.6	.3	.1	.1	.1	.0																						1042	1050	1351	1151	
74/ 73	1.2	4.8	2.3	.9	.5	.2	.1	.1																								730	730	1309	1458	
72/ 71	.9	2.5	1.1	.8	.4	.1	.0	.0																								428	428	856	1258	
70/ 69	.6	1.3	1.4	.8	.3	.2	.0	.0																								332	332	558	692	
68/ 67	.3	.7	.8	.5	.1	.0	.1																									175	175	361	506	
66/ 65	.1	.5	.5	.4	.1	.1		.0																								113	113	301	315	
64/ 63	.1	.4	.4	.2	.2	.0																										93	93	208	290	
62/ 61		.2	.3	.2	.0																											48	48	147	228	
60/ 59		.1	.2	.1																												39	39	103	225	
58/ 57	.0	.1	.3	.0																												40	40	73	147	
56/ 55	.0	.2	.1																													25	25	62	124	
54/ 53		.0																														3	3	37	73	
52/ 51		.0																														2	2	7	70	
50/ 49		.0																														1	1	1	40	
48/ 47																																			23	
46/ 45																																			9	
44/ 43																																			1	
42/ 41																																			1	
TOTAL	5.1	24.7	23.9	13.8	9.4	8.3	6.4	4.6	2.2	1.1	.3	.1	.0																			7177	7191	7177	7177	
Element (X)	Σg'			Σg			Σ			Σn			No. Obs.			Mean No. of Hours with Temperature																				
Rel. Hum.	45116980			558608			77.815.113			7177			± 0 F			± 32 F			± 67 F			± 73 F			± 80 F			± 93 F			Total					
Dry Bulb	44228155			561669			78.17.054			7191									683.6			589.9			282.2			5.4			720					
Wet Bulb	38164056			521930			72.75.383			7177									625.8			447.7			27.2						720					
Dew Point	35553433			503159			70.16.235			7177									564.9			318.5			2.3						720					

USAFETAC FORM 0-26-5 (OLA) REVERSED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

1

69,72-80

YEARS

OCT

MONTH

0000-020
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12906
STATION

ELLINGTON AFB TX
STATION NAME

69,72-80
YEARS

YEARS

OCT
MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
82/ 81			.3															3	3		
80/ 79		.1	1.2															12	12		
78/ 77		1.5	.2															16	16	6	5
76/ 75	.3	1.0	.8	.3														22	22	29	24
74/ 73	1.7	1.2	1.4	.2			.1											43	43	30	27
72/ 71	3.4	2.4	1.8		.1		.1											73	73	54	50
70/ 69	3.2	3.1	2.5	.1	.5	.1	.1											90	90	67	60
68/ 67	.6	3.4	2.2	.5	.4	.1												68	68	61	44
66/ 65	.8	4.5	1.1	.8	.2	.1												69	69	60	68
64/ 63	1.6	6.1	.6	1.0	.3	.3												93	93	79	75
62/ 61	1.8	3.3	1.6	1.2	1.1	.2												86	86	97	77
60/ 59	.6	4.5	1.3	1.4	.9	.2												83	83	60	65
58/ 57	.9	2.6	1.2	1.0	1.5													66	66	75	62
56/ 55	.1	2.4	2.2	.9		.1												52	52	47	54
54/ 53		3.0	2.3	.6														55	55	65	49
52/ 51		1.8	1.5	.1														32	32	72	47
50/ 49		1.6	1.5	.3														32	32	50	51
48/ 47	.1	.6	.8	.1														15	15	35	54
46/ 45		.1	.1	.2														4	4	18	44
44/ 43		.5	.3															8	8	6	38
42/ 41		.3	.1															4	4	10	12
40/ 39		.2	.2															4	4	5	11
38/ 37																				4	7
36/ 35																					9
34/ 33																					1
32/ 31																					1
TOTAL	15.3	44.4	25.1	8.7	5.1	1.2	.3											930	930	930	930
Element (X)	Σ _g ¹		Σ _g		Σ		Σ _g		No. Obs.		Mean No. of Hours with Temperature							Total			
Rel. Hum.	7007982		80024		86.0		11.466		930		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F					
Dry Bulb	3725522		58394		62.6		7.970		930				32.7	9.6	.5		93				
Wet Bulb	3450117		56087		60.3		8.530		930				24.7	6.3			93				
Dew Point	3262647		54343		58.4		9.689		930			.1	21.0	5.6			93				

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12906 ELLINGTON AFB TX
STATION STATION NAME

69.72-80

YEARS

OCT
MONTHPAGE 1 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
86/ 85				.1														1	1						
82/ 81		.1	.4	.1														6	6						
80/ 79	.1	.3	1.4	.1	.1													19	19	5	1				
78/ 77		1.2	1.3		.1													24	24	11	7				
76/ 75	.8	1.9	1.2	.6	.1													43	43	33	31				
74/ 73	1.8	1.9	1.2	1.1	.1	.1												58	58	50	42				
72/ 71	3.1	2.0	2.0	.4					.1									71	71	58	58				
70/ 69	2.2	2.7	1.9		.5	.1												69	69	67	62				
68/ 67	1.1	3.7	3.2	1.2	.4	.1	.2											92	92	60	47				
66/ 65	.6	4.4	1.1	1.6	.2	.1	.2											77	77	73	64				
64/ 63	1.2	3.1	.9	1.0	.4	.4												65	65	72	72				
62/ 61	1.5	3.2	1.3	1.3	.6	.3												77	77	72	65				
60/ 59	.3	3.2	2.2	1.0	.4	.2												68	68	64	50				
58/ 57	.3	3.4	1.7	1.1	.6	.1												68	68	60	62				
56/ 55	.5	2.3	1.4	1.5	.2													55	55	69	58				
54/ 53		2.3	1.7	.5	.2													44	44	53	50				
52/ 51	.1	1.7	1.9	.1														32	32	60	49				
50/ 49		1.2	1.4															24	24	52	56				
48/ 47		1.2	.6															17	17	25	33				
46/ 45		.1	.6															7	7	22	38				
44/ 43			.2															2	2	7	37				
42/ 41		.1	.2															3	3	5	22				
40/ 39		.6																6	6	5	7				
38/ 37			.1															1	1	5	7				
36/ 35																				1					
34/ 33																									
32/ 31																									
TOTAL	13.6	40.8	27.7	11.7	4.2	1.5	.4		.1									929		929	929				
Element (X)	Σ x ²		Σ x		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ				
Rel. Hum.	6866092		79130		85.2		11.652		929		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F				
Dry Bulb	3847825		59269		63.8		8.468		929				38.3		15.1		1.5								
Wet Bulb	3540648		56756		61.1		8.882		929				28.4		9.9										
Dew Point	3340629		54927		59.1		10.015		929				.1		24.8		8.1								

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12906
STATION

ELLINGTON AFB TX
STATION NAME

69,72-80
YEARS

YEARS

OCT
MONTH

PAGE 1

0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point						
92/ 91							.2												2	2						
90/ 89					.1	.2													3	3						
88/ 87					.2	.9	.5	.2											17	17						
86/ 85				.6	1.4	1.1	.8	.9	.1	.1									46	46						
84/ 83			.4	2.3	2.2	1.2	1.5	.6	.3	.1									80	80						
82/ 81			1.2	1.2	1.3	2.2	1.5	.5				.1	.2						76	76	3					
80/ 79		.2	1.6	1.4	2.0	2.8	.9	.9	.5	.3	.1	.1	.1						102	102	20	3				
78/ 77		1.2	1.3	1.5	2.4	.6	1.2	.8	.2	.1	.2								88	88	62	15				
76/ 75	.5	.4	1.1	1.4	2.0	1.5	.8	.8	1.0	.9	.1								97	97	76	57				
74/ 73	.4	.9	1.2	1.3	.9	1.3	.5	.8	.6	.2									75	75	81	61				
72/ 71	.6	.6	1.0	.8	1.5	.4	1.5	.4	.2	.4									70	70	100	67				
70/ 69	.2	.8	1.8	.4	1.2	.8	.6	.9	.1										63	63	95	71				
68/ 67	.2	.4	.6	1.0	.9	.6	.8	.9	.2										52	52	67	73				
66/ 65		.6	.1	1.0	.6	.5	.9												35	35	69	97				
64/ 63			.1	.9	.9	.9	.3	.3											28	28	57	53				
62/ 61		.1	.2	.8	.3	.6	.1												20	20	46	36				
60/ 59		.4	.5	.4	.5	.1	.3												22	22	56	36				
58/ 57		.3	.6	.4	.2	.1													16	16	51	57				
56/ 55	.3	.4	.5	.2	.3	.2													19	19	49	37				
54/ 53	.1		.2	.9															8	8	42	43				
52/ 51		.3	.3	.2															8	8	24	36				
50/ 49				.1															1	1	17	31				
48/ 47			.1																1	1	9	36				
46/ 45			.1																1	1	4	32				
44/ 43																					1	37				
42/ 41																					1	18				
40/ 39																						14				
38/ 37																						13				
36/ 35																						6				
34/ 33																						1				
TOTAL	2.5	6.8	13.1	16.0	18.9	15.9	12.5	7.8	3.3	2.2	.4	.2	.3						930	930	930	930				
																							930		930	
Element (X)	Σ X'		Σ X		X		Σ X		No. Obs.		Mean No. of Hours with Temperature															
Rel. Hum.	4228991		60803		65.4		16.526		930		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	5178544		68968		74.2		8.296		930				77.1	58.6	28.7		93									
Wet Bulb	4137461		61557		66.2		8.234		930				50.4	24.2	.8		93									
Dew Point	3567079		56731		61.0		10.703		930				34.7	13.6			93									

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12906 ELLINGTON AFB TX

69.72-80

OCT

MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
94/ 93							.1	.1				.1						3	3		
92/ 91						.1	.1			.2	.1							5	5		
90/ 89						.4	1.3	.9	.9	.5	.1			.1				39	39		
88/ 87					.8	1.2	1.3	1.8	.8	.3	.5		.2		.1			65	65		
86/ 85			.1	.1	1.5	3.2	2.4	2.4	1.0	.8	.4	.2	.2	.2				116	116		
84/ 83				.8	1.1	1.6	2.4	1.3	1.0	1.0	.3	.2	.3	.1				93	93		
82/ 81		.1	.3	.8	1.4	2.9	2.8	2.0	1.4	1.0	.8	.2	.5					132	132	4	
80/ 79	.1	.5	.3	.9	1.6	1.9	1.1	1.6	1.1	.2	.8	1.1	.1					105	105	18	3
78/ 77	.1	.2	.9	.5	1.1	.3	1.3	.6	1.0	1.6	.9	.1						80	80	72	13
76/ 75	.1	.4	.4	.9	1.0	1.0	1.1	.6	.8	1.0	.2							69	69	63	30
74/ 73		.4	.5	.4	.3	.2	.4	1.2	.9	.5	.2							48	48	121	61
72/ 71	.2	.3	.2	.3			.8	.6	.6	.3	.1							33	33	104	62
70/ 69		.2	.4	.2	.3	.8	.5	.8	.6	.1								37	37	83	66
68/ 67	.1	.3	.2	.3	.4	.6	.8	.1	.2									29	29	74	84
66/ 65	.1	.2		.4	.1	.2	.3	.2	.2									17	17	76	78
64/ 63		.2	.3	.4	.1	.1		.4										15	15	42	57
62/ 61	.1	.1	.3	.3			.1	.1										13	13	46	50
60/ 59		.4	.2	.2		.3												11	11	83	50
58/ 57	.1	.1		.3	.2	.1												8	8	60	53
56/ 55				.1	.1													2	2	31	37
54/ 53		.2																2	2	21	44
52/ 51		.1		.3														4	4	11	20
50/ 49			.3															3	3	10	32
48/ 47																				6	31
46/ 45																				4	39
44/ 43																					29
42/ 41																					19
40/ 39																					19
38/ 37																					24
36/ 35																					14
34/ 33																					3
32/ 31																					3
TOTAL	1.0	4.0	4.6	6.8	10.9	14.7	17.0	14.9	10.3	7.5	4.4	1.9	1.4	.4	.1			929	929	929	929
Element (X)	ΣX'		ΣX		X		X		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.	3079674		51002		54.9		17.360		929		≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb	5806737		73091		78.7		7.779		929				85.5	75.6	52.0	.3	93				
Wet Bulb	4250657		62441		67.2		7.614		929				54.0	27.8	1.1		93				
Dew Point	3438676		55572		59.8		11.103		929				.3	31.9	10.7		93				

USAFETAC FORM 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

YEARS

MONTH

HOURS (L. S. T.)

USAFETAC
FORM
NA 44
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

<u>12906</u> STATION	<u>ELLINGTON AFB TX</u> STATION NAME
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69.72-80

YEARS

OCT
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

17906 ELLINGTON AFB TX
STATION STATION NAME

69,72-80
YEARS

OCT
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
88/ 87									.1										1	1				
86/ 85					.1				.1										2	2				
84/ 83				.1	.1		.1	.3											6	6				
82/ 81		.1	.9	.5	.2		.4	.2			.1								23	23				
80/ 79		.6	1.8	1.4	.6	.4	.6			.1									53	53	3			
78/ 77	.1	1.1	1.9	1.8	.8	.8	.1		.2										63	63	18			
76/ 75	.1	2.0	3.9	3.0	.8	1.0	.2	.2	.2	.2									108	108	45			
74/ 73	1.1	2.6	4.2	2.2	1.2	.5	.8	.1	.2										119	119	73			
72/ 71	.3	1.4	3.5	2.0	1.1	.3	.3	.4	.2										90	90	90			
70/ 69	.2	2.9	2.5	1.9	1.4	1.3	.6	.6	.2										109	109	101			
68/ 67	.5	1.0	1.7	1.3	1.1	1.7	.6	.3	.1										78	78	102			
66/ 65	.3	1.5	1.8	1.7	1.9	.8	.8												82	82	69			
64/ 63		.4	1.1	1.5	1.2	.9	.4												51	51	67			
62/ 61		.6	.6	1.3	.8	.8	.2	.1											41	41	55			
60/ 59		.8	1.3	1.2	1.7	.2	.1												42	42	69			
58/ 57		.6	.5	.8	.3	.1													22	22	65			
56/ 55		.5	.5	.5	.1	.3													19	19	67			
54/ 53		.1	.1	.2	.3	.1													8	8	44			
52/ 51		.2	.1	.1															4	4	26			
50/ 49		.1	.2	.3															6	6	13			
48/ 47			.2	.1															3	3	11			
46/ 45																					5			
44/ 43																					6			
42/ 41																					1			
40/ 39																								
38/ 37																								
36/ 35																								
34/ 33																								
TOTAL	2.7	16.7	27.0	22.0	12.9	9.1	5.4	2.4	1.4	.3	.1								930	930	930			
Element (X)	Σ x'		Σ x		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										Total			
Rel. Hum.	5298891		68723		73.9		15.408		930		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F								
Dry Bulb	4579149		64937		69.8		6.955		930				65.2		37.5		5.5		92					
Wet Bulb	3909778		59878		64.4		7.662		930				43.2		13.9				93					
Dew Point	3507621		56373		60.6		9.870		930				32.0		8.8				93					

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

12956 ELLINGTON AFB TX

69,72-80

OCT

STATION

STATION NAME

YEARS

MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

ALL

ALL
HOURS (L. S. T.)

[illegible]

2.

PSYCHROMETRIC SUMMARY

ALL
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12906
STATION

ELLINGTON AFB TX
STATION NAME

69,72-80
YEARS

NOV
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
82/ 81			.3															3	3			
78/ 77		.6	.6															10	10	4		
76/ 75	.4	.4	1.1	.2														20	20	10	8	
74/ 73	.2	1.6	1.6	.1														31	31	11	15	
72/ 71	.2	1.6	1.1	.1														27	27	33	17	
70/ 69	.7	2.6	1.7	.3														47	47	37	36	
68/ 67	1.3	2.3	1.8	.4														53	53	48	46	
66/ 65	1.4	3.7	.3	.3														52	52	45	46	
64/ 63	.9	2.1	.9	.6	.4													44	44	55	49	
62/ 61	.7	2.8	1.2	.6	.3		.1											51	51	41	39	
60/ 59	.7	2.3	1.9	.6	.3	.2	.1											55	55	45	38	
58/ 57	.4	2.7	1.6	.8	.4													53	53	36	38	
56/ 55	.4	3.1	1.2	.9	.2	.1												54	54	53	41	
54/ 53		2.0	2.1	1.4	.6													55	55	52	36	
52/ 51		3.1	3.3	1.4		.1												72	72	39	44	
50/ 49	.1	2.6	2.9	.8	.2	.2												61	61	73	46	
48/ 47	.1	1.6	1.9	1.0	.3	.1	.1											46	46	74	48	
46/ 45	.3	1.8	1.9	1.4		.2												51	51	48	51	
44/ 43		.7	1.7	1.3														33	33	43	52	
42/ 41	.1	1.2	1.1	1.0														31	31	35	58	
40/ 39		.7	1.4	.1														20	20	40	40	
38/ 37	.2	.6	.4	.1														12	12	38	27	
36/ 35			.8	.1														8	8	17	27	
34/ 33			.4															4	4	4	24	
32/ 31			.6															5	5	8	22	
30/ 29			.2															2	2	6	21	
28/ 27																				5	6	
26/ 25																					8	
24/ 23																					7	
22/ 21																					2	
20/ 19																					8	
TOTAL	8.3	39.8	34.0	13.7	2.9	1.0	.3											900	900	900	900	
Element (X)	Σ X'		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X	
Rel. Hum.	6153768		73596		81.8		12.280		900		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F	
Dry Bulb	2990742		51024		56.7		10.442		900				.7		19.1		6.4		.3			
Wet Bulb	2715920		48432		53.8		11.043		900				1.9		14.3		2.5					
Dew Point	2491141		45929		51.0		12.800		900				7.4		12.2		2.3					

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

2

YEARS

NOV
MONTH

PAGE 1 C300-0500
HOURS (L. S. T.)

USAFETAC
FORM
28-44
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

1

YEARS

PAGE 1 0600-0800
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

PSYCHROMETRIC SUMMARY

12906 ELLINGTON AFB TX
STATION STATION NAME

69,72-80

YEARS

NOV
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12956 ELLINGTON AFB TX
STATION STATION NAME

69.72-80
YEARS

NOV
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
88/ 87						.1	.1				.2	.1						5	5		
86/ 85					.1	.8	.7	.7		.3								23	23		
84/ 83				.4	1.1	1.6	.9	.7	.6									47	47		
82/ 81				.6	1.3	1.8	1.0	1.2	.3									56	56		
80/ 79			.1	1.1	1.1	1.6	.9	.6	.2		.1							51	51		
78/ 77			.8	1.0	1.2	2.1	2.6	.2	.2	.4								77	77	6	
76/ 75		.2	.6	1.2	1.1	.3	1.1	.7	.1	.2		.3						53	53	29	5
74/ 73		.2	.4	.9	.8	.2	1.2	1.3	.4	.1	.1	.2						54	54	59	11
72/ 71		.3	.7	.4	.4	1.1	1.2	.9	.7	.8	.1							60	60	59	33
70/ 69		.1	1.1	.4	1.2	.6	1.7	.6	.8	.6	.3							60	60	67	55
68/ 67		.1	.8	.3	.8	.7	.6	1.2	.4	.4								48	48	64	43
66/ 65		.1	.1	.1	.4	.8	1.0	1.3	.4	.2								40	40	47	60
64/ 63	.2	.3	.3	.8	.6	.7	.9	.7	.7	.2								48	48	36	34
62/ 61		.2	.4	.3	1.1	.6	.6	.8	.7	.1								43	43	53	56
60/ 59		.8	.4	.4	1.2	.7	.7	.3	.6	.3								49	49	44	32
58/ 57	.1	.3	.6	.6	.4	.7	.2	.7	.1									33	33	53	34
56/ 55		.1	.7	.8	.7	.4	.9	.1										33	33	45	47
54/ 53	.4	.1	1.1	.8	.1	.7	.3	.4	.1									37	37	67	43
52/ 51		.6	.2	.6	.3	.6	.2	.1										23	23	55	30
50/ 49		.2	.1	.4	.4	.2	.2											15	15	53	37
48/ 47		.1	.1	.8		.2												11	11	37	50
46/ 45		.2	.7	.9	.1	.2	.1											20	20	29	38
44/ 43		.1	.4	.1														6	6	42	24
42/ 41			.2															2	2	18	38
40/ 39		.1	.1															2	2	21	42
38/ 37		.1																1	1	10	29
36/ 35	.2	.1																3	3	6	28
34/ 33																					26
32/ 31																					31
30/ 29																					18
28/ 27																					18
26/ 25																					9
24/ 23																					6
22/ 21																					9
Element (X)	Σ H ¹		Σ H		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

PSYCHROMETRIC SUMMARY

<u>12906</u>	<u>ELLINGTON AFB TX</u>
STATION	STATION NAME

69,72-80

YEARS

NOV
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
20/ 19																					7	
18/ 17																					2	
16/ 15																					2	
14/ 13																					2	
12/ 11																					1	
TOTAL	1.0	4.6	9.7	13.2	14.7	16.4	16.3	12.4	6.3	3.8	.9	.7							900		900	
																		900		900		

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

ROOM 4

USAFETAC

PSYCHROMETRIC SUMMARY

10906	ELLINGTON AFB TX
STATION	STATION NAME

69,72-80

YEARS

NOV
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

<u>12906</u>	<u>ELLINGTON AFB TX</u>
STATION	STATION NAME

69,72-80

YEARS

NOV
MONTH

PAGE 2

1500-1700
HOURS (L. S. T.)

[illegible]

2

2

NOV
MONTH

PAGE 1

USAFETAC FORM 0-26-5 (OL A) JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

12906 ELLINGTON AFB TX
STATION STATION NAME

69,72-80

YEARS

NOV
MONTH

PAGE 2 18CQ-200C
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
12/ 11																							
TOTAL	2.6	20.0	33.7	19.1	12.6	7.3	3.5	.8	.3	.2									896	896	896		
																		896		896			
	</																						

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12976 ELLINGTON AFB TX

69,72-80

NOV
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL												
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point														
86/ 85							.2											2	2															
75/ 77		.7		.1	.3													10	10															
76/ 75	.3	.8	1.7															25	25	9	6													
74/ 73	.3	.8	2.3															31	31	19	12													
72/ 71		1.8	1.4															29	29	30	20													
71/ 69	.6	2.1	1.8	.4	.1													45	45	40	35													
68/ 67	1.7	2.2	3.6	.3	.2													72	72	52	48													
66/ 65	1.0	2.5	2.0	.6	.2	.1												57	57	43	52													
64/ 63	.6	3.2	2.0	.2	.4	.1			.1									60	60	58	40													
62/ 61	1.0	1.8	1.7	.2	.4	.1		.2										49	49	63	56													
60/ 59	.2	1.8	2.2	.6	.2	.1												46	46	43	42													
58/ 57		1.8	2.8	.6	1.2	.1												58	58	35	40													
56/ 55		1.9	2.2	2.3	.8	.1		.1										67	67	45	31													
54/ 53		.7	2.6	2.1	.4	.2	.2											56	56	49	43													
52/ 51		2.5	4.0	.6	.3	.6												71	71	40	41													
50/ 49		1.3	1.4	1.6	.6	.3												47	47	85	37													
48/ 47	.1	.7	1.1	1.4	.8													37	37	65	53													
46/ 45	.2	.6	1.1	1.7	.2													34	34	32	48													
44/ 43		.9	1.0	1.3														29	29	35	46													
42/ 41		.8	1.1	1.2	.2													30	30	43	43													
40/ 39		.9	.2	.4	.2													16	16	47	29													
38/ 37		.9	.7	.6														19	19	24	28													
36/ 35		.1																1	1	19	31													
34/ 33				.2														2	2	11	32													
32/ 31			.1															1	1	4	22													
30/ 29		.2	.1															3	3	1	23													
28/ 27																				5	9													
26/ 25																					11													
24/ 23																					7													
22/ 21																					3													
20/ 19																					5													
18/ 17																					2													
TOTAL	6.0	30.8	37.2	16.5	6.8	1.8	.4	.3	.1									897	897	897	897													
Element (X)	Σ X'		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.	5750674		70760		78.9		13.724		897		897		897		897		897		897		897		897		897		897		897		897		897	
Dry Bulb	3092829		51869		57.8		10.216		897		897		897		897		897		897		897		897		897		897		897		897		897	
Wet Bulb	2759933		48777		54.4		10.956		897		897		897		897		897		897		897		897		897		897		897		897		897	
Dew Point	2491952		45794		51.1		13.113		897		897		897		897		897		897		897		897		897		897		897		897		897	

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12906 ELLINGTON AFB TX

69,72-80

YEARS

NOV
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb		Dew Point		
88/ 87						.0	.0				.0	.0							7	7			
86/ 85					.0	.2	.2	.2	.0	.1		.0							45	45			
84/ 83			.0	.1	.2	.3	.2	.2	.1	.0									77	77			
82/ 81			.1	.3	.4	.5	.2	.3	.1	.0									136	136			
80/ 79		.0	.2	.5	.3	.4	.3	.2	.0	.0	.0								144	144	1		
78/ 77	.0	.3	.8	.6	.7	.5	.4	.1	.1	.1									249	249	27		
76/ 75	.2	.6	1.2	.7	.4	.3	.3	.1	.0	.1	.0	.1							290	290	108		
74/ 73	.2	.8	1.5	.5	.3	.3	.3	.3	.1	.0	.0	.0							317	317	261		
72/ 71	.2	1.6	1.6	.4	.3	.3	.3	.2	.2	.2	.0								372	372	326		
70/ 69	.5	1.7	1.6	.5	.5	.4	.2	.3	.3	.2	.1								449	449	427		
68/ 67	.6	1.3	1.7	.4	.4	.2	.3	.3	.2	.1	.0								406	406	402		
66/ 65	.6	2.1	.8	.6	.3	.4	.3	.3	.1	.1									398	398	366		
64/ 63	.4	1.6	1.0	.6	.3	.4	.3	.2	.2	.1									367	367	385		
62/ 61	.5	1.5	1.0	.5	.6	.4	.3	.3	.2	.1									388	388	366		
60/ 59	.4	1.8	1.5	.6	.6	.3	.3	.2	.1	.0									432	432	348		
58/ 57	.3	1.5	1.2	.9	.8	.4	.1	.3	.1										396	396	352		
56/ 55	.2	1.7	1.3	1.3	.6	.3	.3	.1	.0										421	421	392		
54/ 53	.1	1.1	1.3	1.4	.4	.3	.2	.1	.0										379	379	420		
52/ 51	.1	1.5	1.8	.8	.6	.3	.1	.0											373	373	412		
50/ 49	.1	1.3	1.7	.8	.5	.3	.1	.0											355	355	479		
48/ 47	.1	.8	1.1	.8	.3	.1	.0												228	228	455		
46/ 45	.2	1.1	1.4	.9	.3	.1	.1												290	290	336		
44/ 43		.8	1.1	.7	.1	.0	.0												204	204	332		
42/ 41	.0	.5	1.2	.6	.1	.0													186	186	269		
40/ 39	.0	.5	.6	.1	.0														89	89	276		
38/ 37	.1	.5	.4	.2															83	83	191		
36/ 35	.1	.2	.1	.0															46	46	106		
34/ 33		.1	.2	.0															25	25	62		
32/ 31	.0	.1	.1																20	20	35		
30/ 29		.1	.1	.0															16	16	32		
28/ 27		.0		.0															5	5	18		
26/ 25																					6		
24/ 23																					2		
22/ 21																					1		
Element (X)	Σ X'			Σ X			X			σ _x			No. Obs.			Mean No. of Hours with Temperature							
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total	
Dry Bulb																							
Wet Bulb																							
Dew Point																							

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

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1

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12906
STATION

ELLINGTON AFB TX
STATION NAME

68-69.72-79
YEARS

DEC
MONTH

PAGE 1

0000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
78/ 77			.2															2	2						
76/ 75			.1															1	1						
74/ 73		.1																1	1	3					
72/ 71	.2	1.0	.2															13	13	7	5				
70/ 69	.2	2.0	1.1															31	31	13	15				
68/ 67	.4	1.2	1.0	.4					.1									29	29	27	21				
66/ 65	.5	2.2	1.5															39	39	25	23				
64/ 63	.2	1.8	.5			.1		.1										26	26	32	28				
62/ 61	.8	2.5	.4			.1	.1											36	36	38	27				
60/ 59	.5	2.2	1.4	.1	.1	.1	.1											42	42	38	41				
58/ 57	.8	2.7	1.1	.5	.2	.3												52	52	32	42				
56/ 55	.9	2.2	.5	1.0	.1	.2												45	45	43	29				
54/ 53	.5	2.5	1.9	.9	.5	.2												61	61	35	37				
52/ 51	.9	3.1	2.0	1.0	.2	.2												69	69	52	35				
50/ 49	.8	3.2	1.5	1.2	.4													66	66	70	41				
48/ 47	.6	4.6	1.7	1.0	.8	.1												82	82	67	51				
46/ 45	.2	2.7	1.6	1.3	.3	.2												59	59	78	59				
44/ 43	.1	2.4	2.2	1.7	.4	.2												65	65	54	51				
42/ 41	.4	1.1	3.1	1.5														57	57	51	57				
40/ 39	.8	2.9	2.8	.6	.2													68	68	68	58				
38/ 37	.5	1.0	2.0	.8														40	40	86	45				
36/ 35		.8	.8	.5														19	19	45	49				
34/ 33		.2	.8	.2														11	11	27	57				
32/ 31	.1	.1	.4	.5														13	13	13	40				
30/ 29		.1	.2															3	3	13	44				
28/ 27																				10	23				
26/ 25																				3	16				
24/ 23																					3				
22/ 21																					13				
20/ 19																					7				
18/ 17																					9				
16/ 15																					4				
TOTAL	9.5	42.6	29.1	13.2	3.3	1.8	.2	.1	.1									930	930	930	930				
Element (X)	Σ x'		Σ x		Σ	Σ x		No. Obs.		Mean No. of Hours with Temperature															
Rel. Hum.	6184269		74709		80.3	14.025		930		≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	2502598		47354		50.9	9.920		930			1.6	7.7	.4			93									
Wet Bulb	2249464		44696		48.1	10.448		930			3.9	5.0	.3			93									
Dew Point	2009383		41651		44.8	12.450		930			15.9	4.1				93									

USAFETAC FORM 34-5 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12906 ELLINGTON AFB TX
STATION STATION NAME

68-69.72-79

YEARS

DEC
MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
78/ 77			.3															3	3					
74/ 73			.1															1	1	3				
72/ 71		.3	.2															5	5	2				
70/ 69	.3	1.9	.8	.1														29	29	11				
68/ 67	.2	.9	1.1															20	20	15				
66/ 65	.9	3.3	1.1	.2														51	51	31				
64/ 63	.2	1.8	.4	.1														24	24	36				
62/ 61	1.1	1.5	.6		.1													31	31	40				
60/ 59	.3	3.1	.5															37	37	30				
58/ 57	.8	2.4	.3	.1		.1												34	34	36				
56/ 55	.5	2.5	.8	.5	.3	.1												44	44	26				
54/ 53	1.3	2.7	1.2	.5	.5	.1												59	59	42				
52/ 51	.9	2.6	3.1	.9	.5	.1												75	75	43				
50/ 49	.5	1.4	1.1	.4	.2													34	34	52				
48/ 47	.5	4.3	1.7	.4	.3													68	68	57				
46/ 45	.2	5.4	3.1	1.2	.1													93	93	69				
44/ 43	.5	2.4	2.4	1.3														61	61	84				
42/ 41	.2	2.3	3.0	1.2	.2													64	64	62				
40/ 39	.1	2.6	2.9	1.0	.3													64	64	53				
38/ 37	1.1	2.4	2.4	.2	.1													57	57	76				
36/ 35	.3	1.2	1.1	.2	.1													27	27	58				
34/ 33		1.0	.9	.3	.1													21	21	42				
32/ 31		.6	.8	.5														18	18	22				
30/ 29		.2	.3															5	5	14				
28/ 27		.2	.1															3	3	12				
26/ 25		.2																2	2	6				
24/ 23																				3				
22/ 21																								
20/ 19																								
18/ 17																								
16/ 15																								
14/ 13																								
TOTAL	10.0	47.1	30.2	9.2	3.0	.4												930	930	930				
Element (X)	Σ X ²		Σ X		Σ	Σ	No. Obs.		Mean No. of Hours with Temperature															
Rel. Hum.	6384015		76123		81.9	12.8	930		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total		93							
Dry Bulb	2377764		46052		49.5	10.2	930			2.8	5.8	.4			93		93							
Wet Bulb	2159852		43704		47.0	10.6	930				3.6	.3			93		93							
Dew Point	1946223		40925		44.0	12.5	930			18.3	2.8				93		93							

USAFETAC FORM 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12906 ELLINGTON AFB TX
STATION STATION NAME

68-69, 72-79
YEARS

DEC
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL														
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																
78/ 77			.3																3	3																
76/ 75			.1																1	1																
74/ 73		.1	.3																4	4	3															
72/ 71		.8	.3																10	10	6	3														
70/ 69	.1	.8	1.3	.1															21	21	9	11														
68/ 67	.3	1.2	.8	.2															23	23	16	14														
66/ 65	.3	2.6	.6	.5															38	38	35	31														
64/ 63	.5	1.6		.2															22	22	29	25														
62/ 61	1.0	3.0	.4	.1	.1														43	43	34	28														
60/ 59	.9	2.6	.8																39	39	45	41														
58/ 57	1.4	2.4	.6	.2		.1													44	44	36	45														
56/ 55	.9	1.8	1.4	.1	.1														40	40	38	25														
54/ 53	.5	2.0	1.1	.4															38	38	32	38														
52/ 51	.9	2.6	1.4	.5	.9														58	58	48	41														
50/ 49	.2	3.3	2.0	.9	.8														67	67	32	22														
48/ 47	.3	2.7	1.9	1.0	.2														57	57	58	40														
46/ 45	.6	4.6	1.8	.5	.1														72	72	67	55														
44/ 43	.2	3.7	2.8	1.6			.1												78	78	73	55														
42/ 41	.8	2.2	2.7	.1															53	53	76	56														
40/ 39	.1	2.6	3.5	.3	.3														66	66	53	52														
38/ 37	.3	4.2	1.6	.4	.1														62	62	63	56														
36/ 35	.8	1.2	1.5	.4															36	36	72	59														
34/ 33		1.2	.9	.9															27	27	33	50														
32/ 31		1.1	.9																18	18	31	69														
30/ 29		.2	.2																4	4	16	30														
28/ 27		.3																	3	3	17	25														
26/ 25		.3																	3	3	5	17														
24/ 23																					3	6														
22/ 21																						7														
20/ 19																						7														
18/ 17																						12														
16/ 15																						5														
14/ 13																						1														
12/ 11																						3														
Element (X)	Σ X'			Σ X			Σ			°			No. Obs.			Mean No. of Hours with Temperature																				
Rel. Num.																≤ 0 F			≤ 32 F			≥ 67 F			≥ 73 F			≥ 80 F			≥ 93 F			Total		
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

PSYCHROMETRIC SUMMARY

12936 ELLINGTON AFB TX
STATION STATION NAME

68-69, 72-79

YEARS

DEC
MONTH

PAGE 2 0600-0800
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12906 ELLINGTON AFB TX
STATION STATION NAME

68-69,72-79
YEARS

DEC
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
82/ 81				.1														1	1						
83/ 79				.4	.2													6	6						
78/ 77			.3	.4	.3	.1												11	11						
76/ 75			.3	1.0	.6	.1	.1											20	20	2					
74/ 73		.2	1.4	.4	.5	.1												25	25	7	2				
72/ 71	.1	.5	1.8	.8	.9	.3		.1										42	42	19	9				
70/ 69	.3	.9	1.4	.6	.8	.1	.2											40	40	37	23				
68/ 67	.3	1.5	1.2	.9	.5	.6	.1		.1									49	49	38	33				
66/ 65		1.0	.6	.6		.4	.2	.1	.1	.1	.1							31	31	36	36				
64/ 63	.3	1.4	1.3	.9	.2	.5	.3											46	46	43	33				
62/ 61	.4	1.3	.4	1.1	1.1	.4	.4	.1										49	49	38	31				
60/ 59	.8	1.0	1.0	1.1	.9	.5	.8	.2										57	57	40	44				
58/ 57	.5	1.2	1.4	1.5	.8	.9	.5											63	63	41	38				
56/ 55	.2	1.2	.9	1.1	1.4	1.2	.4	.2										61	61	43	35				
54/ 53	.1	1.8	2.3	1.4	1.0	1.3	.4		.1									78	78	49	31				
52/ 51	.5	2.6	1.9	1.2	1.5	.4	.3											79	79	64	40				
50/ 49	.2	1.3	1.8	1.4	1.6	.4	.3	.1										67	67	83	44				
48/ 47	.3	1.6	.9	1.2	1.4	.4	.1											55	55	70	69				
46/ 45	.3	1.3	1.5	1.4	.5	.1	.2											50	50	81	52				
44/ 43		.9	.8	.8	.3	.3												28	28	58	46				
42/ 41			.5	.9	.6	.1												20	20	54	49				
40/ 39		.6	1.0	.6	.4	.1												26	26	32	39				
38/ 37	.3	.3	.1	.2	.1													10	10	35	37				
36/ 35	.1	.1	.2	.2	.2													8	8	23	50				
34/ 33		.1		.2	.1													4	4	18	40				
32/ 31			.3	.1														4	4	8	41				
30/ 29																				5	26				
28/ 27																				5	21				
26/ 25																					1	12			
24/ 23																						8			
22/ 21																						14			
20/ 19																						4			
18/ 17																						10			
16/ 15																						5			
Element (X)	Z _g			Z _x			Z			° _g			No. Obs.			Mean No. of Hours with Temperature									
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total			
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-20-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 2 0900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

12906
STATION

ELLINGTON AFB TX
STATION NAME

68-69, 72-79

YEARS

DEC
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
82/ 81				.2	.2	.5	.3											12	12							
80/ 79				.1	.6	.9	.6	.1										22	22							
78/ 77			.1	.2	1.0	1.2	.4	.1	.1	.1								30	30							
76/ 75			.6	1.0	1.2	1.1	.5	.2	.3	.1								47	47	4						
74/ 73			1.1	1.3	.9	1.5	.4	.2	.3		.1							54	54	4	1					
72/ 71		.3	1.1	.3	1.0	1.5	.8	.6		.3								55	55	27	6					
70/ 69	.3	.2	.4	.8	1.4	.6	.9	.3	.1	.5	.2							54	54	50	24					
68/ 67		.8	.5	.3	1.0	.5	.8	.4	.5	.1	.1							47	47	47	27					
66/ 65	.1	.8	.9	1.8	1.3	.8	.9	.5	.5	.1								74	74	40	29					
64/ 63	.1	.1	.4	.9	1.0	1.0	1.5	.5	.5	.2								58	58	50	46					
62/ 61	.3	.6	.3	.8	.5	.6	1.1	1.1	.5									55	55	46	44					
60/ 59	.2	.5	.4	1.0	.6	1.3	1.6	1.2	.3									67	67	55	34					
58/ 57	.2	.3	.3	.6	.6	.9	1.2	1.1	.2									51	51	51	41					
56/ 55	.1	.8	1.2	.6	1.1	.9	1.5	1.2	.1									69	69	48	46					
54/ 53	.1	1.2	.9	.8	.6	1.5	.6	.1	.1									55	55	55	27					
52/ 51	.1	.9	.8	.4	1.6	1.0	.2	.1	.2									49	49	69	42					
50/ 49	.2	1.1	.9	.4	.5	.8	.3	.1										40	40	68	52					
48/ 47	.3	1.3	.4	.4	.4	.3	.2											32	32	80	50					
46/ 45		.4	.3	.2	.2	.6	.1											18	18	62	47					
44/ 43		.3	.3	.5	.2	.6												19	19	71	37					
42/ 41			.4	.2	.5													11	11	31	44					
40/ 39		.4	.1	.1	.3													9	9	20	33					
38/ 37				.1	.1													2	2	23	37					
36/ 35																				14	39					
34/ 33																				10	47					
32/ 31																				4	37					
30/ 29																				1	35					
28/ 27																					20					
26/ 25																					22					
24/ 23																					14					
22/ 21																					17					
20/ 19																					12					
18/ 17																					6					
16/ 15																					4					
Element (X)	Σ x ²			Σ x			x̄		s _x		No. Obs.		Mean No. of Hours with Temperature													
Rel. Num.													≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																										
Wet Bulb																										
Dew Point																										

2

1

DEC
MONTH

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
14 / 13																					4
12 / 11																					2
10 / 9																					2
TOTAL	2.2	10.0	11.5	13.1	17.0	18.1	14.0	8.3	4.0	1.5	.4								930		930
																			930		930

PSYCHROMETRIC SUMMARY

12906 ELLINGTON AFB TX

68-69, 72-79

DEC

MONTH

PAGE 1

1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

129C6 ELLINGTON AFB TX
STATION STATION NAME

68-69, 72-79

YEARS

DEC
MONTH

PAGE 2

1800-2000
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12906 ELLINGTON AFB TX

68-69, 72-79

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1

2100-2300

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL												
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point														
78/ 77			.3															3	3															
76/ 75			.3															3	3															
74/ 73																				3														
72/ 71	.3	1.4	.6															22	22	9	9													
70/ 69	.1	.8	1.2						.1									20	20	19	13													
68/ 67	.1	2.2	.9	.3														32	32	14	16													
66/ 65	.5	1.8	1.2	.8				.1										41	41	34	25													
64/ 63	.4	2.8	.5				.3											38	38	30	30													
62/ 61	.9	2.2	1.0	.1	.1	.2			.1									42	42	50	36													
60/ 59	.4	2.4	2.0	.3	.9	.1			.1									58	58	31	38													
58/ 57	.4	2.0	1.7	.5	.3	.1	.1											49	49	36	38													
56/ 55	.5	3.9	1.3	.6	.1	.3												63	63	50	30													
54/ 53	.3	2.3	1.6	1.5	.4	.8	.1											65	65	68	43													
52/ 51	.3	2.6	2.0	1.2	.2	.4												63	63	48	58													
50/ 49	.8	1.6	2.3	2.9	.6	.2	.1											79	79	55	42													
48/ 47	.3	4.3	2.7	1.1	.8	.3												88	88	63	40													
46/ 45	.4	2.3	2.7	1.4	.4	.2												69	69	89	57													
44/ 43		1.5	2.6	1.6	.1													54	54	79	62													
42/ 41	.3	1.5	1.8	2.3	.3	.2												60	60	58	54													
40/ 39	.1	.9	1.6	.1	.3													28	28	66	60													
38/ 37	.2	.2	1.4	.8	.1													25	25	38	46													
36/ 35	.1	.2	.9	.4	.1													16	16	39	51													
34/ 33		.2	.2	.6														10	10	18	31													
32/ 31		.2																2	2	20	38													
30/ 29																				9	40													
28/ 27																				4	25													
26/ 25																					14													
24/ 23																					6													
22/ 21																					8													
20/ 19																					9													
18/ 17																					4													
16/ 15																					3													
14/ 13																					2													
Element (X)	Σ X'			Σ X			Σ			σ _x			No. Obs.			Mean No. of Hours with Temperature																		
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
Dry Bulb																																		
Wet Bulb																																		
Dew Point																																		

USAFETAC FORM 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

1

YEARS

1

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
AUG 64

PSYCHROMETRIC SUMMARY

12906 ELLINGTON AFB TX
STATION STATION NAME

68-69, 72-79

YEARS

DEC

MONTH

PAGE 1

All

ALL
HOURS (L. S. T.)

[illegible]

2

2

YEARS

PAGE 2

ALL
HOURS (L. S. T.)

[illegible]

REMOVED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

FROM

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12906 ELLINGTON AFB TX

68-70, 72-80

ALL

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point															
102/101										.0	.0	.0	.0					2	2																
100/ 99										.0	.0	.0	.0					19	19																
98/ 97								.0	.0	.0	.0	.0						87	87																
96/ 95							.0	.1	.2	.1	.0	.0				.0		365	365																
94/ 93						.0	.1	.3	.3	.1	.0	.0	.0	.0				805	805																
92/ 91				.0	.0	.2	.5	.6	.3	.1	.0	.0	.0			.0		1429	1429																
90/ 89		.0		.0	.1	.6	.9	.6	.1	.1	.0	.0	.0	.0		.0		2222	2224																
88/ 87			.0	.1	.5	1.1	.7	.2	.2	.1	.0	.0	.0	.0	.0	.0		2479	2479	1	1														
86/ 85	.0	.0	.1	.5	1.0	1.0	.3	.3	.1	.1	.0	.0	.0	.0	.0			2966	2966	8	2														
84/ 83		.1	.4	1.0	.9	.5	.3	.2	.1	.1	.0	.0	.0	.0	.0			3137	3140	90	7														
82/ 81	.0	.2	1.0	1.2	.8	.5	.3	.2	.1	.1	.0	.0	.0	.0	.0			3857	3858	1048	80														
80/ 79	.0	.9	2.1	1.2	.7	.4	.2	.2	.1	.1	.0	.0	.0	.0	.0			5260	5261	3624	611														
78/ 77	.1	2.0	2.5	1.0	.7	.3	.3	.1	.1	.1	.0	.0	.0	.0				6325	6331	6723	2629														
76/ 75	.3	2.2	2.4	1.0	.4	.3	.2	.2	.1	.1	.0	.0						6299	6310	8064	6229														
74/ 73	.3	1.8	1.8	.8	.3	.3	.2	.2	.1	.1	.0	.0	.0					5141	5145	7671	8194														
72/ 71	.4	1.7	1.7	.5	.3	.2	.2	.1	.1	.1	.0	.0						4653	4653	6272	8087														
70/ 69	.3	1.5	1.7	.5	.3	.2	.2	.1	.1	.1	.0	.0						4314	4314	5366	6329														
68/ 67	.2	1.4	1.3	.4	.3	.2	.2	.1	.1	.0	.0	.0						3740	3740	4621	5139														
66/ 65	.2	1.8	.7	.5	.3	.2	.2	.1	.1	.0	.0							3581	3581	4290	4673														
64/ 63	.2	1.3	.6	.4	.3	.2	.2	.1	.1	.0								3059	3059	4037	4247														
62/ 61	.3	1.2	.6	.4	.3	.2	.1	.1	.1	.0								2984	2984	3398	3646														
60/ 59	.2	1.2	.8	.4	.3	.2	.2	.1	.0	.0								2877	2877	3233	3091														
58/ 57	.1	1.0	.7	.4	.3	.2	.1	.1	.0	.0								2632	2632	2950	2916														
56/ 55	.2	1.1	.7	.4	.3	.2	.1	.1	.0									2630	2630	2914	2644														
54/ 53	.1	.9	.7	.4	.3	.2	.1	.0	.0									2359	2359	2861	2710														
52/ 51	.1	.9	.7	.4	.3	.2	.1	.0	.0									2184	2184	2712	2645														
50/ 49	.1	.9	.6	.4	.3	.2	.1	.0	.0									2076	2076	2632	2440														
48/ 47	.1	.8	.5	.4	.3	.2	.1	.0	.0									1792	1792	2466	2426														
46/ 45	.1	.7	.6	.3	.3	.1	.1	.0										1749	1749	2242	2319														
44/ 43	.1	.6	.6	.4	.3	.1	.0	.0										1547	1547	2054	2052														
42/ 41	.1	.5	.6	.3	.3	.1	.0	.0										1398	1398	1801	1954														
40/ 39	.1	.4	.5	.2	.3	.1	.0											1112	1112	1585	1879														
38/ 37	.1	.5	.3	.3	.1	.0	.0											870	870	1537	1763														
36/ 35	.0	.3	.2	.3	.1	.0												546	546	1171	1654														
Element (X)	Σ X'					Σ X					Σ					%					No. Obs.					Mean No. of Hours with Temperature									
Rel. Hum.																					≤ 0 F					≤ 32 F									
Dry Bulb																										≥ 67 F					≥ 73 F				
Wet Bulb																										≥ 80 F					≥ 93 F				
Dew Point																															Total				

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

12906 ELLINGTON AFB TX
STATION STATION NAME

68-70, 72-80

YEARS

ALL
MONTH

PAGE 2

ALL
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

12906 ELLINGTON AFB TX

68-70,72-80

STATION	STATION NAME												YEARS
HRS LST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN 48.1	50.7	57.9	64.2	70.1	75.3	77.4	77.3	73.8	64.6	56.7	50.9	64.0
	S D 11.499	9.779	8.841	7.173	5.087	3.857	2.512	2.377	4.743	7.537	10.442	9.920	12.919
	TOTAL OBS 930	846	930	900	930	900	930	929	897	930	900	930	10952
03-05	MEAN 47.2	49.3	56.7	63.1	68.8	73.8	76.2	76.0	72.4	62.8	55.5	49.5	62.7
	S D 11.867	10.203	9.507	7.994	5.569	4.301	2.437	2.412	5.228	7.970	10.992	10.237	13.127
	TOTAL OBS 930	846	930	900	930	900	930	930	897	930	900	930	10953
06-08	MEAN 46.7	49.0	56.9	64.6	71.8	77.0	78.7	78.2	73.7	63.8	55.5	49.2	63.8
	S D 12.091	10.308	9.568	7.702	5.916	5.171	3.693	3.651	5.729	8.468	11.207	10.538	14.253
	TOTAL OBS 930	845	930	900	930	899	928	930	899	929	900	930	10950
09-11	MEAN 51.6	56.2	63.3	71.7	79.3	84.7	86.4	86.3	81.9	74.2	63.7	56.6	71.4
	S D 11.852	10.781	8.971	6.430	5.329	4.598	3.963	3.995	5.544	8.296	11.091	10.198	14.585
	TOTAL OBS 930	846	930	899	930	900	930	930	900	930	900	930	10955
12-14	MEAN 56.4	61.7	67.6	75.0	82.2	87.4	89.3	88.8	85.1	78.7	68.3	61.9	75.3
	S D 12.452	11.405	8.996	6.232	5.703	4.959	5.298	5.186	5.417	7.779	11.035	10.008	13.959
	TOTAL OBS 930	846	930	900	930	899	930	930	900	929	900	930	10954
15-17	MEAN 56.8	62.1	67.9	74.8	81.4	87.0	89.0	88.3	84.5	77.8	67.2	61.4	74.9
	S D 11.741	10.881	8.767	5.878	5.437	4.835	5.408	4.953	5.120	7.347	10.651	9.389	13.548
	TOTAL OBS 930	846	930	900	930	900	930	929	900	930	900	930	10955
18-20	MEAN 51.8	56.3	62.8	69.5	76.0	81.9	83.9	83.1	78.5	69.8	60.4	55.2	69.2
	S D 10.786	9.483	8.007	5.856	4.990	4.562	4.317	3.913	4.799	6.955	9.987	8.998	13.300
	TOTAL OBS 930	846	930	900	930	900	927	930	899	930	896	930	10948
21-23	MEAN 49.5	52.6	59.6	66.0	72.0	77.0	79.0	78.9	75.0	66.5	57.8	52.5	65.6
	S D 11.014	9.163	8.126	6.392	4.637	3.713	2.732	2.566	4.534	7.100	10.216	9.350	12.690
	TOTAL OBS 930	846	930	898	930	900	927	930	899	930	897	930	10947
ALL HOURS	MEAN 51.0	54.7	61.6	68.6	75.2	80.5	82.5	82.1	78.1	69.8	60.6	54.7	68.4
	S D 12.232	11.368	9.815	8.123	7.267	6.795	6.352	6.136	7.054	9.737	11.750	10.903	14.368
	TOTAL OBS 7440	6767	7440	7197	7440	7198	7432	7438	7191	7438	7193	7440	87614

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

12906 ELLINGTON AFB TX

68-70,72-80

STATION		STATION NAME						YEARS						
HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN	45.5	48.0	55.0	61.2	67.3	72.0	74.4	74.5	71.1	61.7	53.8	48.1	61.1
	S D	11.973	10.266	9.563	7.745	5.457	4.298	2.363	2.131	5.008	8.217	11.043	10.446	13.125
	TOTAL OBS	930	846	930	900	930	897	930	929	894	930	900	930	10946
03-05	MEAN	44.9	47.0	54.1	60.5	66.4	71.1	73.7	73.8	70.2	60.3	52.9	47.0	60.2
	S D	12.277	10.576	10.102	8.342	5.819	4.600	2.462	2.213	5.482	8.530	11.439	10.684	13.351
	TOTAL OBS	930	846	930	900	930	897	930	930	894	930	900	930	10947
06-08	MEAN	44.6	46.8	54.3	61.5	68.4	73.1	75.4	75.3	71.2	61.1	52.9	46.8	61.0
	S D	12.466	10.634	10.157	8.032	5.895	4.801	2.999	2.768	5.923	8.882	11.683	10.899	14.074
	TOTAL OBS	930	845	930	900	930	898	928	930	896	929	900	930	10946
09-11	MEAN	48.0	51.5	57.8	64.8	71.2	75.4	77.8	77.8	74.6	66.2	57.6	51.6	64.6
	S D	12.216	10.676	9.447	6.999	5.194	4.146	2.483	2.285	5.142	8.234	11.217	10.481	13.252
	TOTAL OBS	930	846	930	899	928	900	930	930	899	930	900	930	10952
12-14	MEAN	50.3	53.8	59.4	65.8	71.8	75.7	77.7	77.7	75.1	67.2	59.0	54.0	65.7
	S D	11.962	10.237	8.863	6.507	5.087	4.105	2.541	2.373	4.561	7.614	10.511	9.905	12.323
	TOTAL OBS	930	846	930	900	930	899	929	929	900	929	900	930	10952
15-17	MEAN	50.5	54.0	59.5	65.7	71.4	75.5	77.8	77.7	74.8	66.9	58.4	53.7	65.5
	S D	11.410	9.791	8.494	6.339	4.881	4.002	2.638	2.410	4.470	7.385	10.328	9.564	12.137
	TOTAL OBS	930	846	930	900	930	900	930	928	900	930	900	930	10954
18-20	MEAN	48.1	51.5	57.4	63.7	69.8	74.2	76.6	76.5	73.1	64.4	55.7	50.8	63.5
	S D	11.358	9.611	8.570	6.786	4.983	3.995	2.419	2.208	4.793	7.662	10.710	9.831	12.628
	TOTAL OBS	930	846	930	900	930	900	927	930	898	930	896	930	10947
21-23	MEAN	46.7	49.5	56.0	62.2	68.4	72.8	75.1	75.2	71.7	62.8	54.4	49.2	62.1
	S D	11.686	9.722	9.027	7.272	5.250	4.060	2.317	2.074	5.041	7.975	10.956	10.020	12.805
	TOTAL OBS	930	846	930	898	930	900	927	928	896	930	897	930	10942
ALL HOURS	MEAN	47.3	50.3	56.7	63.2	69.3	73.7	76.1	76.1	72.7	63.8	55.6	50.1	63.0
	S D	12.114	10.540	9.509	7.539	5.649	4.558	2.963	2.765	5.383	8.467	11.232	10.571	13.131
	TOTAL OBS	7440	6767	7440	7197	7438	7191	7431	7434	7177	7438	7193	7440	87586

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

1-936 ELLINGTON AFB TX

68-7C, 72-80

• • •

STATION NAME

YEARS

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
0-02	MEAN	42.2	45.1	52.2	59.0	65.7	70.3	73.0	73.2	69.7	59.5	51.0	44.8	58.9
	S D	14.206	12.247	11.547	8.991	6.229	5.019	2.779	2.431	5.697	9.559	12.800	12.450	14.589
	TOTAL OBS	930	846	930	900	930	897	930	929	894	930	900	930	10946
03-05	MEAN	41.9	44.3	51.7	58.5	65.0	69.6	72.4	72.7	69.0	58.4	50.3	44.0	58.2
	S D	14.365	12.334	11.835	9.422	6.411	5.171	2.879	2.417	6.042	9.689	13.019	12.506	14.703
	TOTAL OBS	930	846	930	900	930	897	930	930	894	930	900	930	10947
06-08	MEAN	41.7	44.2	51.9	59.3	66.6	71.3	74.0	74.0	69.9	59.1	50.3	44.0	58.9
	S D	14.441	12.305	11.861	9.297	6.620	5.354	3.200	2.866	6.520	10.015	13.276	12.641	15.270
	TOTAL OBS	930	845	930	900	930	898	928	930	896	929	900	930	10946
09-11	MEAN	43.6	46.6	52.9	60.0	66.7	71.1	74.3	74.4	71.2	61.0	52.3	46.4	60.1
	S D	15.038	13.253	12.413	9.774	7.164	5.586	2.987	2.963	6.474	10.703	13.979	13.440	15.078
	TOTAL OBS	930	846	930	899	928	900	930	930	899	930	900	930	10952
12-14	MEAN	43.7	46.3	52.6	59.6	66.2	70.3	72.9	73.2	70.4	59.8	51.2	46.1	59.4
	S D	15.366	13.323	12.563	9.844	7.403	5.912	3.140	3.209	6.370	11.103	14.070	13.885	14.978
	TOTAL OBS	930	846	930	900	930	899	929	929	900	929	900	930	10952
15-17	MEAN	43.7	46.1	52.4	59.4	66.0	70.2	73.2	73.4	70.2	59.7	50.9	45.9	59.3
	S D	15.066	13.302	12.470	10.067	7.233	5.885	3.284	3.333	6.491	11.102	14.007	13.795	15.020
	TOTAL OBS	930	846	930	900	930	900	930	928	900	930	900	930	10954
18-20	MEAN	43.6	46.4	52.5	59.5	66.3	70.6	73.5	73.7	70.5	60.6	51.3	46.0	59.6
	S D	14.209	12.406	11.702	9.447	6.589	5.383	2.791	2.643	6.039	9.870	13.410	12.924	14.599
	TOTAL OBS	930	846	930	900	930	900	927	930	898	930	896	930	10947
21-23	MEAN	43.2	46.1	52.7	59.5	66.3	70.7	73.4	73.5	70.0	60.2	51.1	45.5	59.4
	S D	14.105	11.960	11.389	8.954	6.317	4.914	2.756	2.449	5.981	9.660	13.113	12.353	14.463
	TOTAL OBS	930	846	930	898	930	900	927	928	896	930	897	930	10942
ALL HOURS	MEAN	42.9	45.6	52.4	59.3	66.1	70.5	73.3	73.5	70.1	59.8	51.0	45.3	59.2
	S D	14.623	12.678	11.981	9.486	6.775	5.435	3.035	2.852	6.235	10.255	13.474	13.038	14.849
	TOTAL OBS	7440	6767	7440	7197	7438	7191	7431	7434	7177	7438	7193	7440	87586



USAFETAC FORM 0-89.5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF Weather Service/MAC

RELATIVE HUMIDITY

1996 ELLINGTON AFB TX

69-71,73-80

JAN

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	99.7	99.1	94.4	89.0	76.0	61.3	27.5	80.8	930
	03-05	100.0	100.0	100.0	99.5	95.6	91.0	80.5	65.2	30.3	82.2	930
	06-08	100.0	100.0	100.0	99.5	97.2	93.2	83.4	66.0	31.7	83.1	930
	09-11	100.0	100.0	99.6	96.0	88.4	80.2	65.3	47.8	19.9	75.6	930
	12-14	100.0	99.8	95.2	84.3	73.8	62.4	44.9	28.4	8.1	65.5	930
	15-17	100.0	99.4	94.1	82.0	72.4	60.1	44.9	27.4	7.1	64.6	930
	18-20	100.0	99.9	99.4	96.9	89.7	77.4	64.9	48.7	15.5	75.7	930
	21-23	100.0	100.0	99.7	98.8	95.5	86.8	73.0	58.0	26.1	79.7	930
TOTALS		100.0	99.9	98.5	94.5	88.4	80.0	66.6	48.4	20.8	75.8	7440

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

10910 ELLINGTON AFB TX

69-70,73-80

FPL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	99.5	99.1	96.2	91.3	87.4	63.2	29.8	51.9	846
	03-05	100.0	100.0	99.9	98.8	97.5	92.9	83.0	66.8	32.6	83.4	846
	06-08	100.0	100.0	99.9	98.9	97.9	93.7	85.1	69.0	36.8	84.1	846
	09-11	100.0	99.9	98.1	92.4	85.9	74.3	67.5	40.0	14.3	72.3	846
	12-14	100.0	98.8	90.9	79.7	70.0	52.7	33.0	17.1	5.3	60.4	846
	15-17	100.0	97.5	89.1	78.6	67.6	50.8	33.0	18.4	6.0	59.7	846
	18-20	100.0	99.5	97.8	91.8	85.1	76.2	59.9	38.1	9.3	71.6	846
	21-23	100.0	99.6	99.1	98.1	93.9	88.4	77.3	57.8	22.0	79.5	846
TOTALS		100.0	99.4	96.8	92.2	86.9	77.5	64.1	40.3	19.5	74.1	6767

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

RELATIVE HUMIDITY

199 6 ELLINGTON AFB TX

69-70,73-80

MAR

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	1-01	100.0	100.0	99.8	99.2	97.4	90.1	80.2	64.9	26.0	82.0	930
	03-05	100.0	100.0	100.0	99.2	98.4	93.0	83.3	71.1	32.9	83.7	930
	06-08	100.0	100.0	99.9	99.6	98.3	93.7	83.7	69.8	33.3	83.9	930
	09-11	100.0	100.0	97.7	92.8	84.0	72.9	57.3	36.6	12.3	71.0	930
	12-14	100.0	99.6	93.2	81.2	69.2	55.1	37.1	20.9	6.9	62.0	930
	15-17	100.0	98.5	91.0	76.2	65.1	55.1	39.0	24.1	6.7	61.5	930
	18-20	100.0	99.9	97.3	92.0	82.0	72.4	59.4	41.6	11.0	71.4	930
	21-23	100.0	100.0	99.7	98.2	93.5	85.2	75.2	57.8	21.1	79.0	930
TOTALS		100.0	99.8	97.3	92.6	86.0	77.2	64.4	48.2	15.8	74.3	7440

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

RELATIVE HUMIDITY

APR

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	100.0	100.0	100.0	100.0	99.1	97.7	88.7	65.3	23.7	83.5	900
	03-05	100.0	100.0	100.0	100.0	98.6	97.4	92.4	74.4	28.4	85.0	900
	06-08	100.0	100.0	100.0	99.8	98.7	95.0	88.1	67.3	23.0	83.3	900
	09-11	100.0	100.0	99.0	94.5	83.1	69.4	50.1	24.8	4.9	62.1	899
	12-14	100.0	100.0	96.0	85.4	70.1	51.7	31.9	10.9	3.0	60.9	900
	15-17	100.0	99.6	94.9	83.4	70.4	55.6	35.3	15.3	2.2	61.2	900
	18-20	100.0	100.0	98.8	95.3	87.7	77.8	61.2	37.6	5.2	72.0	900
	21-23	100.0	100.0	100.0	99.9	97.4	92.2	79.6	58.4	15.7	80.2	898
TOTALS		100.0	100.0	98.6	94.8	89.2	79.6	65.6	45.0	13.3	74.3	7197

USAFETAC FORM 0-87-5 (OL A)

RELATIVE HUMIDITY

44 Y

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	100.0	100.0	99.8	99.4	96.7	79.1	24.0	35.7	930
	03-05	100.0	100.0	100.0	100.0	99.9	99.6	98.6	97.4	31.4	37.8	930
	06-08	100.0	100.0	100.0	99.9	99.5	97.3	91.6	70.1	20.5	33.8	930
	09-11	100.0	99.9	99.4	96.6	88.8	60.6	40.6	14.7	2.8	66.7	928
	12-14	100.0	99.7	98.1	91.0	74.3	47.0	22.2	9.2	1.9	60.1	930
	15-17	100.0	99.7	98.0	91.5	75.3	51.0	26.0	11.0	2.0	61.2	930
	18-20	100.0	100.0	99.7	98.5	94.0	82.4	62.9	32.2	5.5	72.8	930
	21-23	100.0	100.0	100.0	99.9	99.7	97.6	89.8	65.4	15.1	82.4	930
TOTALS		100.0	99.9	99.4	97.2	91.4	80.4	66.1	46.1	12.9	75.1	7438

0-87-5 (OL A)

RELATIVE HUMIDITY

JLN

MONTM

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JULY	0-02	100.0	100.0	100.0	100.0	100.0	99.0	95.3	73.3	16.1	84.5	897
	03-05	100.0	100.0	100.0	100.0	100.0	99.8	96.4	85.4	25.8	86.5	897
	06-08	100.0	100.0	100.0	100.0	99.8	97.8	90.1	66.1	15.0	82.5	896
	09-11	100.0	100.0	100.0	97.3	89.9	65.8	26.7	7.6	.7	64.4	900
	12-14	100.0	100.0	98.9	92.2	75.1	37.8	13.3	4.8	1.1	57.5	899
	15-17	100.0	100.0	99.1	91.7	74.4	44.9	15.7	4.6	.7	58.6	900
	18-20	100.0	100.0	99.9	98.3	93.1	79.1	50.1	17.9	1.7	69.4	900
	21-23	100.0	100.0	100.0	100.0	99.9	97.8	90.3	60.3	7.0	80.9	900
TOTALS		100.0	100.0	99.7	97.4	91.5	77.8	59.7	40.6	8.5	73.1	7191

FORM
JUL 64

0-87-5 (OL A)

CLERICAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

10706 ELLINGTON AFB TX

69-75,73-8

JUL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	100.0	100.0	100.0	100.0	95.7	81.5	21.3	86.1	931
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	97.1	83.0	32.6	87.9	931
	06-08	100.0	100.0	100.0	100.0	100.0	99.9	96.7	74.7	20.9	85.3	926
	09-11	100.0	100.0	100.0	99.8	97.3	77.4	36.7	9.4	1.3	67.6	931
	12-14	100.0	100.0	100.0	97.6	76.4	38.6	15.9	7.2	1.5	59.3	929
	15-17	100.0	100.0	100.0	97.7	78.4	47.1	19.8	7.7	1.4	60.7	931
	18-20	100.0	100.0	100.0	100.0	97.8	85.2	52.6	21.6	2.3	71.4	927
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	92.7	63.4	10.9	82.3	927
TOTALS		100.0	100.0	100.0	99.4	93.7	81.0	63.3	44.6	11.6	75.1	7431

USAFETAC

FORM
JUL 64

0-87.5 (OL A)

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

10900

ELLINGTON AFB TX

69,72-80

AUG

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	100.0	100.0	100.0	100.0	99.5	84.0	22.1	87.1	929
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	99.6	94.1	35.4	89.1	930
	06-08	100.0	100.0	100.0	100.0	100.0	99.7	97.2	81.4	27.4	86.6	930
	09-11	100.0	100.0	100.0	99.8	95.4	78.1	39.7	13.2	1.4	66.4	930
	12-14	100.0	100.0	100.0	97.4	79.7	44.0	21.2	9.5	1.4	61.0	929
	15-17	100.0	100.0	100.0	96.2	83.8	53.1	25.1	8.6	1.2	62.4	928
	18-20	100.0	100.0	100.0	99.8	98.6	91.0	63.0	27.1	2.6	73.7	930
	21-23	100.0	100.0	100.0	100.0	100.0	99.9	95.5	70.4	10.3	83.6	928
TOTALS		100.0	100.0	100.0	99.2	94.7	83.2	67.6	40.6	12.7	76.5	7434

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

1956 ELLINGTON AFB TX

69,72-80

SEP

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	100.0	100.0	100.0	100.0	99.0	95.1	81.5	52.4	37.3	894
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	97.1	86.9	59.7	39.1	894
	06-08	100.0	100.0	100.0	100.0	100.0	99.4	96.5	85.8	57.7	38.3	896
	09-11	100.0	100.0	100.0	99.6	95.3	78.4	51.6	22.4	4.4	70.8	899
	12-14	100.0	100.0	99.7	96.1	81.9	53.4	26.0	12.0	2.9	62.6	900
	15-17	100.0	100.0	99.6	95.2	81.1	57.6	31.6	13.6	2.9	63.6	900
	18-20	100.0	100.0	100.0	99.7	98.2	90.4	72.8	42.9	9.7	77.0	898
	21-23	100.0	100.0	100.0	100.0	100.0	98.1	90.8	72.1	24.8	34.6	896
TOTALS		100.0	100.0	99.9	98.8	94.6	84.5	70.2	51.9	19.3	77.9	7177

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

10906 ELLINGTON AFB TX

69,72-80

OCT

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	100.0	100.0	100.0	100.0	99.7	94.1	85.4	68.4	29.6	84.1	930
	03-05	100.0	100.0	100.0	100.0	99.6	95.7	88.3	75.0	39.1	86.1	930
	06-08	100.0	100.0	100.0	99.9	99.2	96.4	88.2	69.6	35.3	85.2	929
	09-11	100.0	99.9	98.5	92.3	80.5	62.2	38.3	19.6	5.8	65.4	930
	12-14	100.0	99.0	91.7	78.4	59.0	35.5	17.3	6.4	3.1	54.9	929
	15-17	100.0	99.0	91.4	78.5	60.3	41.1	25.2	9.9	4.8	56.6	930
	18-20	100.0	100.0	99.8	97.3	91.5	78.9	62.4	41.2	11.5	73.9	930
	21-23	100.0	100.0	100.0	99.8	97.7	90.8	78.5	61.2	21.8	81.0	930
TOTALS		100.0	99.7	97.7	93.3	85.9	74.3	60.5	43.9	18.9	73.4	7438

USAFETAC

FORM
AR 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

10906 ELLINGTON AFB TX

69,72-80

NOV

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100.0	100.0	100.0	99.2	98.1	94.0	81.1	61.4	20.3	81.8	900
	03-05	100.0	100.0	100.0	99.9	98.7	95.2	85.0	63.7	22.9	82.9	900
	06-08	100.0	100.0	99.9	99.9	98.8	95.8	86.0	63.7	24.0	83.1	900
	09-11	100.0	100.0	98.2	93.3	83.1	67.4	48.2	27.9	8.0	68.3	900
	12-14	100.0	99.3	91.8	80.7	62.4	42.4	23.8	11.9	2.6	57.1	900
	15-17	100.0	99.1	91.3	79.9	64.3	48.2	29.4	13.1	2.9	56.7	900
	18-20	100.0	100.0	99.1	96.2	89.3	77.5	61.8	38.6	9.4	73.2	896
	21-23	100.0	100.0	99.8	99.2	97.0	88.5	74.5	54.0	16.1	78.9	897
TOTALS		100.0	99.8	97.5	93.5	86.5	76.1	61.2	41.6	13.3	73.1	7192

USAFETAC

FORM
JUN 64

0-87-5 (OL A)

RELATIVE HUMIDITY

CFC

MONIM

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	100.0	100.0	99.2	96.5	88.9	76.8	58.8	22.7	80.3	930
	03-05	100.0	100.0	100.0	99.6	98.4	91.6	80.2	61.4	24.0	81.9	930
	06-08	100.0	100.0	99.9	99.7	98.4	93.5	83.7	61.8	27.1	82.5	930
	09-11	100.0	99.8	98.9	94.1	83.8	70.5	53.8	35.3	12.9	73.7	930
	12-14	100.0	99.2	95.0	77.8	63.3	46.0	30.6	15.8	5.3	59.1	930
	15-17	100.0	99.0	92.0	77.0	64.2	50.2	35.4	19.5	5.5	60.1	930
	18-20	100.0	99.9	99.0	95.3	87.1	75.1	59.2	39.7	12.5	72.8	930
	21-23	100.0	100.0	99.9	98.8	94.8	85.7	70.1	51.0	19.0	78.0	930
TOTALS		100.0	99.7	97.8	92.7	85.8	75.2	61.2	43.0	16.1	73.2	7440

0-87-5 (OL A)

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

10000 ELLINGTON AFB TX

68-70,71-72

ALL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	99.9	98.8	94.5	88.4	80.0	66.6	50.4	21.3	75.8	7440
FEB		100.0	99.4	96.8	92.2	86.9	77.5	64.1	46.3	19.5	74.1	6767
MAR		100.0	99.8	97.3	92.6	86.7	77.2	64.4	46.2	18.5	74.3	7440
APR		100.0	100.0	98.6	94.8	88.2	79.6	65.8	45.0	13.3	74.3	7197
MAY		100.0	99.9	99.4	97.2	91.4	80.4	66.1	46.1	12.9	75.1	7438
JUN		100.0	100.0	99.7	97.4	91.5	77.8	59.7	40.6	8.5	73.1	7191
JUL		100.0	100.0	100.0	99.4	93.7	81.0	63.3	44.6	11.6	75.1	7431
AUG		100.0	100.0	100.0	99.2	94.7	83.2	67.6	46.6	12.7	76.5	7434
SEP		100.0	100.0	99.9	98.8	94.6	84.5	70.2	51.9	19.3	77.9	7177
OCT		100.0	99.7	97.7	93.3	85.9	74.3	60.5	43.9	18.9	73.4	7438
NOV		100.0	99.8	97.5	93.5	86.5	76.1	61.2	41.6	13.3	73.0	7193
DEC		100.0	99.7	97.8	92.7	85.8	75.2	61.2	43.0	16.1	73.2	7440
TOTALS		100.0	99.9	98.6	95.5	89.5	78.9	64.2	45.9	15.5	74.7	37586

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

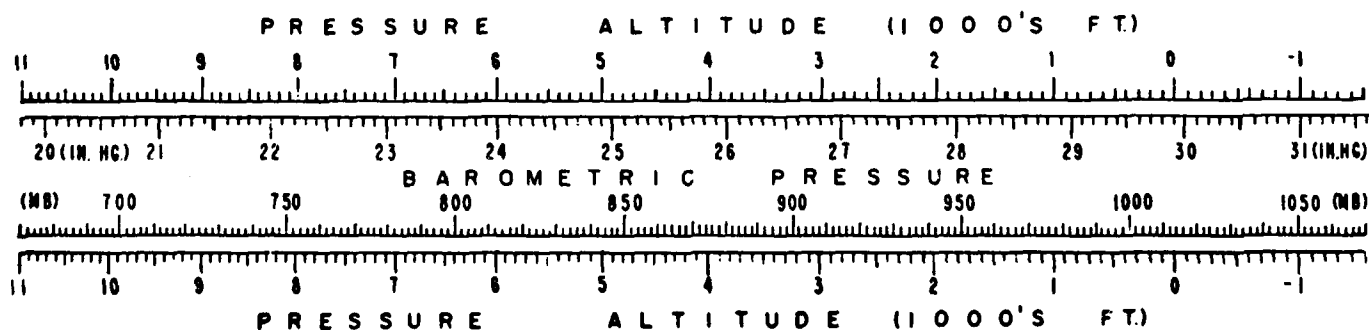
PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

12906 ELLINGTON AFB TX

68-70,72-80

STATION	STATION NAME	YEARS												
HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00	MEAN	30.08530	0.07629	9.4829	9.3529	8.9029	9.2429	9.5429	9.4929	9.2330	0.00330	0.05330	0.064	29.983
	S D	.199	.186	.172	.157	.129	.088	.070	.072	.100	.132	.170	.204	.161
	TOTAL OBS	309	282	310	300	310	299	310	310	300	310	300	310	3650
03	MEAN	30.07330	0.05829	9.2929	9.1329	8.7129	9.0929	9.4229	9.3729	9.1029	9.99230	0.04130	0.050	29.968
	S D	.202	.189	.173	.157	.129	.088	.072	.074	.102	.133	.173	.204	.163
	TOTAL OBS	309	282	310	298	310	300	310	310	299	310	300	310	3648
06	MEAN	30.07430	0.06529	9.4329	9.2929	8.9029	9.2729	9.6329	9.5229	9.2530	0.01030	0.05130	0.052	29.981
	S D	.204	.191	.176	.159	.132	.091	.072	.072	.100	.136	.177	.207	.163
	TOTAL OBS	310	282	310	300	309	299	309	310	300	310	300	310	3649
09	MEAN	30.11830	0.10729	9.98329	9.6829	9.2029	9.5829	9.99029	9.8429	9.95830	0.04830	0.09330	0.096	30.018
	S D	.206	.194	.182	.163	.133	.088	.074	.072	.099	.138	.179	.207	.166
	TOTAL OBS	310	280	310	299	310	300	308	308	299	310	300	310	3644
12	MEAN	30.10730	0.10229	9.97529	9.95829	9.1129	9.5129	9.98329	9.97629	9.94630	0.02830	0.07330	0.077	30.007
	S D	.206	.195	.180	.162	.131	.088	.074	.073	.099	.138	.178	.209	.165
	TOTAL OBS	310	282	310	300	310	300	310	310	300	309	300	310	3651
15	MEAN	30.04230	0.03129	9.91129	9.90829	8.86929	9.91229	9.94029	9.92929	8.9429	9.97230	0.01330	0.018	29.953
	S D	.202	.192	.177	.159	.130	.087	.075	.075	.098	.136	.174	.206	.160
	TOTAL OBS	310	282	310	299	310	300	309	310	300	310	300	309	3649
18	MEAN	30.05330	0.03329	9.90129	8.89429	8.85029	8.88929	9.91829	9.91229	8.8729	9.97530	0.02430	0.028	29.946
	S D	.200	.186	.180	.157	.130	.088	.076	.074	.099	.134	.171	.204	.163
	TOTAL OBS	308	282	310	300	309	300	309	310	300	310	298	310	3646
21	MEAN	30.08230	0.06629	9.94029	9.93029	8.88029	9.91329	9.94129	9.93929	9.92330	0.00830	0.05730	0.058	29.978
	S D	.200	.184	.171	.153	.127	.088	.073	.072	.100	.132	.174	.202	.162
	TOTAL OBS	309	282	310	298	310	300	308	310	300	310	299	310	3646
ALL HOURS	MEAN	30.07930	0.06729	9.94129	9.92929	8.8529	9.92329	9.95429	9.94729	9.92130	0.00530	0.05130	0.055	29.979
	S D	.204	.191	.178	.160	.132	.091	.076	.076	.102	.137	.176	.207	.164
	TOTAL OBS	2475	2254	2480	2394	2478	2398	2473	2478	2398	2479	2397	2479	29183

USAFETAC FORM 0.89.5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

12906 ELLINGTON AFB TX

68-70,72-80

STATION

STATION NAME

YEARS

HRS LST	MEAN	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00	S D	1020.6	1020.3	1015.9	1015.5	1013.9	1015.1	1016.1	1015.9	1015.0	1017.8	1019.5	1019.9	1017.1
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
03	S D	1020.2	1019.7	1015.3	1014.7	1013.3	1014.6	1015.7	1015.5	1014.6	1017.4	1019.0	1019.4	1016.6
	TOTAL OBS	310	282	310	300	310	300	310	309	300	310	300	310	3651
06	S D	1020.2	1019.9	1015.8	1015.3	1013.9	1015.2	1016.4	1016.1	1015.1	1013.0	1019.4	1019.5	1017.0
	TOTAL OBS	310	282	310	300	310	299	310	310	300	310	300	310	3651
09	S D	1021.7	1021.4	1017.1	1016.6	1015.0	1016.2	1017.3	1017.1	1016.2	1019.3	1020.8	1020.9	1018.3
	TOTAL OBS	310	281	310	298	310	300	310	309	300	309	300	310	3647
12	S D	1021.3	1021.1	1016.8	1016.2	1014.6	1016.0	1017.1	1016.8	1015.8	1018.6	1020.1	1020.3	1017.9
	TOTAL OBS	310	281	310	300	310	300	310	310	300	309	300	308	3648
15	S D	1019.1	1018.8	1014.7	1014.5	1013.2	1014.7	1015.6	1015.2	1014.0	1016.7	1018.1	1018.3	1016.1
	TOTAL OBS	310	282	310	300	310	300	309	309	300	310	300	310	3650
18	S D	1019.5	1018.8	1014.4	1014.1	1012.5	1013.9	1014.9	1014.6	1013.8	1016.8	1018.5	1018.6	1015.9
	TOTAL OBS	309	282	310	300	310	300	309	309	300	310	298	310	3647
21	S D	1020.5	1020.0	1015.7	1015.3	1013.6	1014.7	1015.6	1015.6	1015.1	1017.9	1019.6	1019.7	1016.9
	TOTAL OBS	309	280	310	298	310	300	309	309	300	310	299	310	3644
ALL HOURS	S D	1020.4	1020.0	1015.7	1015.3	1013.8	1015.0	1016.1	1015.9	1015.0	1017.8	1019.4	1019.6	1017.0
	TOTAL OBS	2478	2252	2480	2396	2480	2399	2477	2475	2400	2478	2397	2478	29190

DATE
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